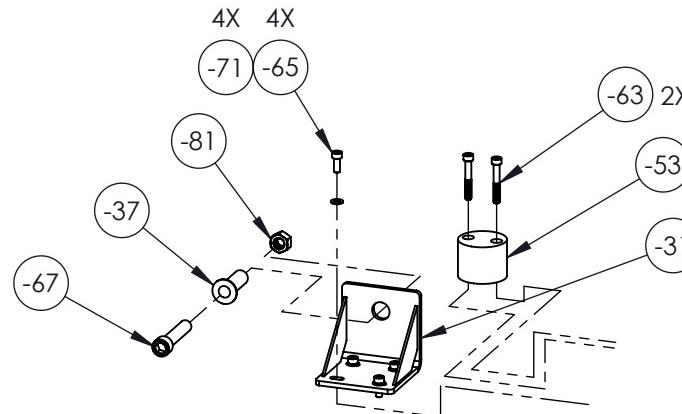
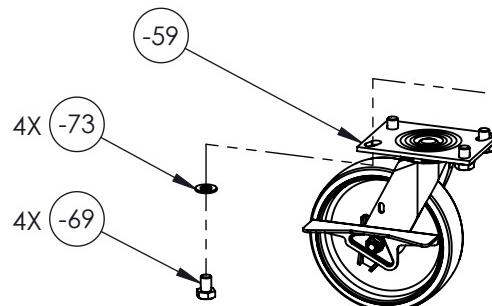


This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

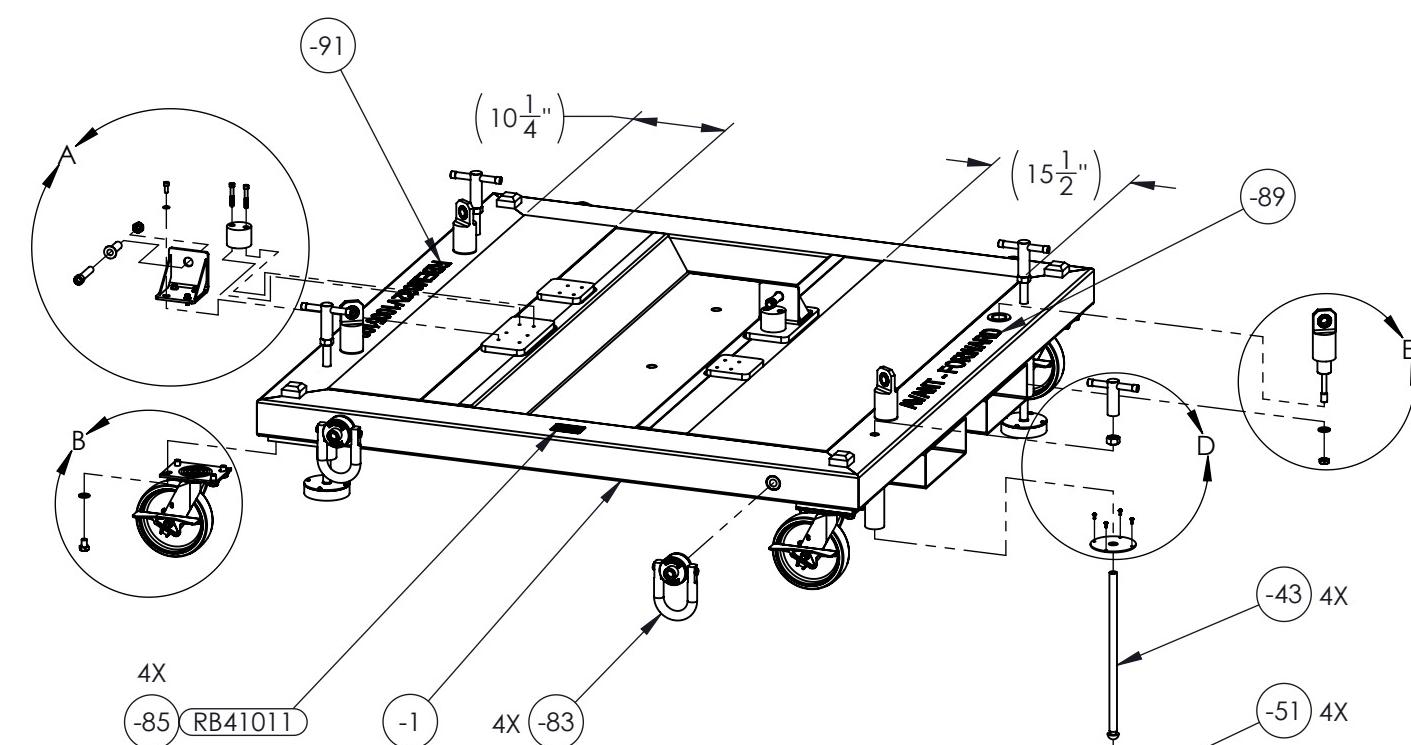
REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
1		RELEASED FOR PRODUCTION.			6/22/2016	DPD	JAG
2	16-0182	-1 ADDED DIM 17.20, 2X 19.87, 12.25, 67.00, 69.38; CH'D DIM WAS 39.67 IS (39.67) WAS 40.94 IS (40.94). -3, -5, -7, -21 CH'D DIM WAS .13 IS .12, -25 CH'D DIM WAS .09 IS .11, -27 CH'D DIM WAS .09 IS .11, -29 CH'D DIM WAS M20X2.5 - 6H ∇ .1.58 IS 7/8-9 UNC-2B ∇ .1.75. -41 ADDED DIM .05 X 45°; ADDED NOTE "CENTER OK". -45 CH'D DIM WAS Ø.6014/.5986 S.F. -47 IS Ø.6014/.5986 S.F. -47 CH'D DIM WAS Ø.6114/.6074 ∇ .13 S.F. -45 IS Ø.6114/.6074 ∇ .13 (S.F. -45). -53 CH'D DIM WAS 2X Ø.29 THRU ALL ∇ .1 Ø.43 ∇ .25 IS 2X Ø.39 THRU ALL ∇ .1 Ø.59 ∇ .32. -83 CH'D B/O INFORMATION WAS M20 X 2.5mm (CROSBY #1016657) IS 7/8-9 UNC (CROSBY #1016957). ADDED -85. -89 ADDED TO BOM QTY 1. ADDED DRAWING. -91 ADDED TO BOM QTY 1. ADDED DRAWING.	10/20/2016	SM	JAG		



DETAIL A
SCALE 1 : 10
2 PLACES



DETAIL B
SCALE 1 : 10
4 PLACES



SEE ATTACHED DEVIATION

NOTE:
REF. AIRBUS T/N: M632V1005102.

DART
AEROSPACE

TITLE
TRANSMISSION STAND

DWG NO. **RBEM632V1005102**

REV
2

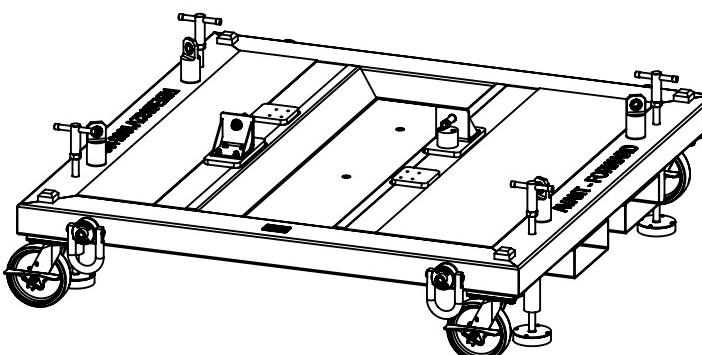
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT	XXX \pm .005 FRACTIONS \pm 1/8
FINISH	XX \pm .01 ANGLES \pm 5°
SPEC	X \pm .1 SURFACES = 125
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:20
DATE	12/11/2015
SHEET 1 OF 31	

DETAIL D
SCALE 1 : 10
4 PLACES

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-83 CH'D B/O INFORMATION WAS M20 X 2.5mm (CROSBY #1016657) IS 7/8-9 UNC (CROSBY #1016957). ADDED -85. -89 ADDED TO BOM QTY 1. ADDED DRAWING. -91 ADDED TO BOM QTY 1. ADDED DRAWING.	2/3/2017	SM	JAG

ASSY QTY	ASSY QTY	ASSY QTY	ASSY QTY	B/O	Part #	UNIT QTY	Description	Material	B/O INFORMATION OR SPECIFICATIONS	PG.
		X		-1	1		BASE WELDMENT			3
		2		-3			FRONT & REAR TUBE	STEEL		4
		2		-5			SIDE TUBE	STEEL		5
		2		-7			MID TUBE	STEEL		6
		4		-9			ANCHOR POCKET	4140/4142		7
		4		-11			SQUARE LUG	A36/1018/1020 HR		8
		4		-13			JACKSCREW BASE	4140/4142		9
		4		-15			WHEEL PLATE	A36/1018/1020 HR		10
		2		-17			SMALL MOUNT PLATE	A36/1018/1020 HR		11
		2		-19			LARGE MOUNT PLATE	A36/1018/1020 HR		12
		8		-21			FORK POCKET	STEEL		13
		1		-23			BOTTOM PAN	A36/1018/1020 HR		14
		1		-25			SMALL COVER	A36/1018/1020 HR		15
		1		-27			LARGE COVER	A36/1018/1020 HR		16
		4		-29			TIE DOWN ANCHOR	4140/4142		17
	X			-31	2		BRACKET WELDMENT			18
	1			-33			BRACKET	A36/1018/1020 HR		19
	2			-35			BRACKET GUSSET	A36/1018/1020 HR		20
				-37	2		BUSHING	4140/4142		21
	X			-39	4		ANCHOR ASSEMBLY			22
	1			-41			ANCHOR	4140/4142		23
	X			-43	4		JACKSCREW ROD WELDMENT			24
	1			-45			JACKSCREW ROD	B7	M20 X 2.5mm X 500mm (MCMASTER-CARR #93325A442) MODIFIED	25
	1			-47			JACKSCREW ROD PIVOT	4140/4142		26
				-49	4		JACKSCREW COVER	A36/1018/1020 HR		27
				-51	4		JACKSCREW FOOT	4140/4142		28
				-53	2		DELRIN PAD	WHITE DELRIN/ACETAL		29
				B/O	-55	4	JACKSCREW HANDLE	STEEL	M20 X 2.5mm X 3.74 (J.W. WINCO #20NB20)	1
	1			B/O	-57		SPHERICAL BEARING	STEEL	Ø.787 I.D. X Ø1.378 O.D. X .472 (SKF #GE 20 ES-2RS)	22
				B/O	-59	4	CASTER WITH BRAKE		Ø8 (COLSON #4.08199.939 MTG2BRK3)	1
				B/O	-61	16	BUTTON HEAD SOCKET CAP SCREW	S.S.	M5 X 0.8 X 12mm (MCMASTER-CARR #92095A210)	1
				B/O	-63	4	SOCKET HEAD CAP SCREW	S.S.	M8 X 1.25 X 55mm (MCMASTER-CARR #91292A156)	1
				B/O	-65	8	SOCKET HEAD CAP SCREW	STEEL	M8 X 1.25 X 20mm (MCMASTER-CARR #90128A274)	1
				B/O	-67	2	SOCKET HEAD CAP SCREW	S.S.	M16 X 2 X 80mm (MCMASTER-CARR #91292A247)	1
				B/O	-69	16	HEX HEAD CAP SCREW	STEEL	M14 X 1.5 X 20mm (MCMASTER-CARR #91180A774)	1
				B/O	-71	8	WASHER	STEEL	M8 (MCMASTER-CARR #91166A270)	1
				B/O	-73	16	WASHER	STEEL	M14 (MCMASTER-CARR #91166A300)	1
				B/O	-75	4	WASHER	STEEL	M16 (MCMASTER-CARR #91166A310)	1
				B/O	-77	4	HEX NUT	STEEL	M16 X 2 (MCMASTER-CARR #90695A125)	1
				B/O	-79	4	HEX NUT	STEEL	M20 X 2.5mm (MCMASTER-CARR #90591A230)	1
				B/O	-81	2	HEX NUT	S.S.	M16 X 2 (MCMASTER-CARR #91828A430)	1
				B/O	-83	4	TIE DOWN	STEEL	7/8-9 UNC (CROSBY # 1016957)	1
				B/O	-85	4	SCREW NAIL	STEEL	#4 X .25 (MCMASTER-CARR # 90081A144)	1
				B/O	-87	1	CRATE	ISPM15 CERT. HT	CRATE (id) 78 X 70 X 28	N/S
				B/O	-89	1	LABEL	BLACK CUT, VINYL	SIGNS NOW	30
				B/O	-91	1	LABEL	BLACK CUT, VINYL	SIGNS NOW	31
				B/O		1	DART PLACARD	ALUMINUM	RB41011	1
ASSY -43	ASSY -39	ASSY -31	ASSY -1							

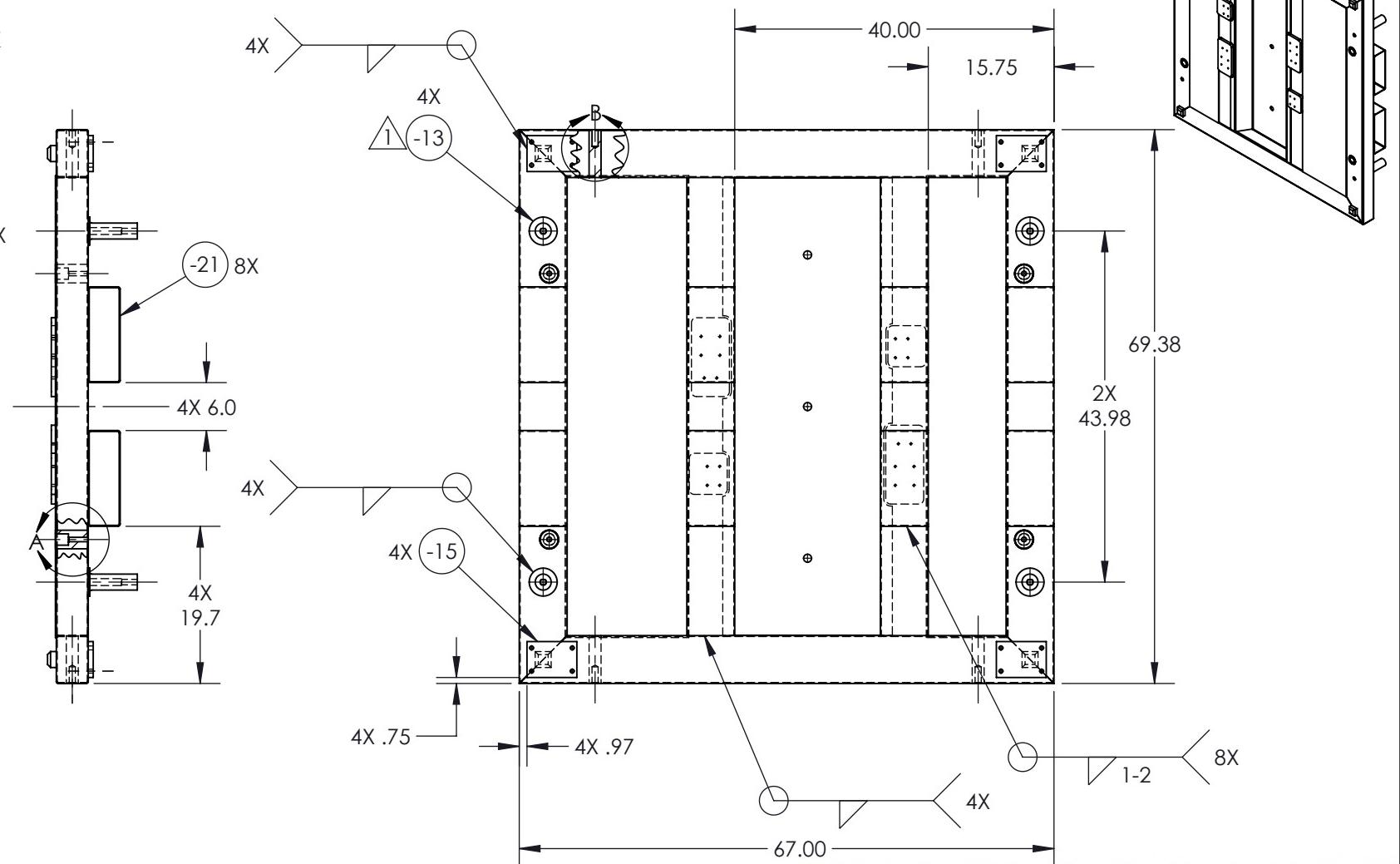
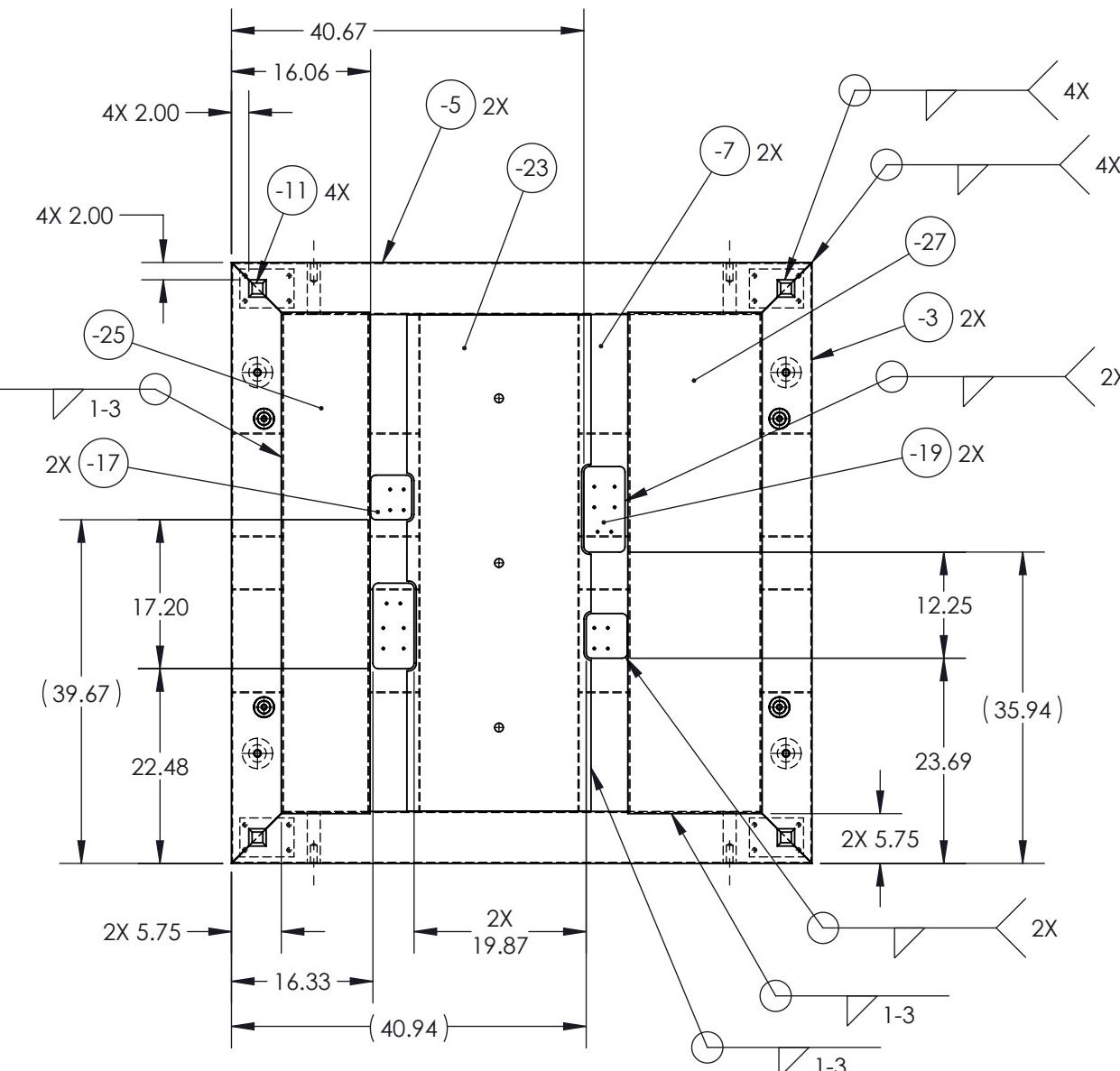


SEE ATTACHED DEVIATION

DART AEROSPACE	
TITLE TRANSMISSION STAND	
DWG NO.	REV 2
RBEM632V1005102	
MAT'L	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
XXX ± .005 FRACTIONS ± 1/8	
HEAT TREAT	
FINISH	
SPEC	
X ± .1 SURFACES = 125	
1. BREAK ALL SHARP EDGES	
.015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY	
AFTER PLATING	
3. INTERPRET DIM AND TOL PER	
ASME Y14.5M-2009	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	
SCALE 1:24	DATE 12/11/2015
SHEET 2 OF 31	

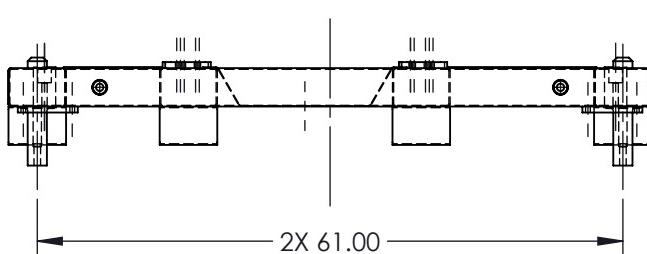
This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS						
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED	
2	16-0182	-1 ADDED DIM 17.20, 2X 19.87, 12.25, 67.00, 69.38; CH'D DIM WAS 39.67 IS (39.67) WAS 40.94 IS (40.94).	10/20/2016	SM	JAG	

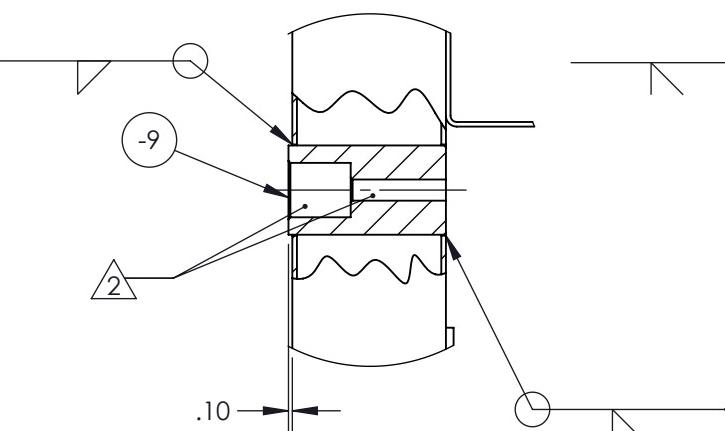


SEE ATTACHED DEVIATION

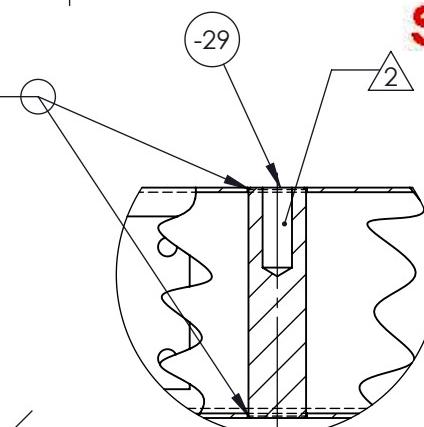
NOTE:
1 Holes must align.
2 No powder coat this surface.



-1



DETAIL A
SCALE 1 : 5
4 PLACES

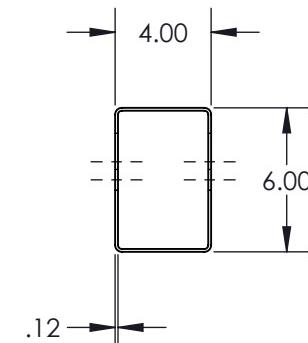
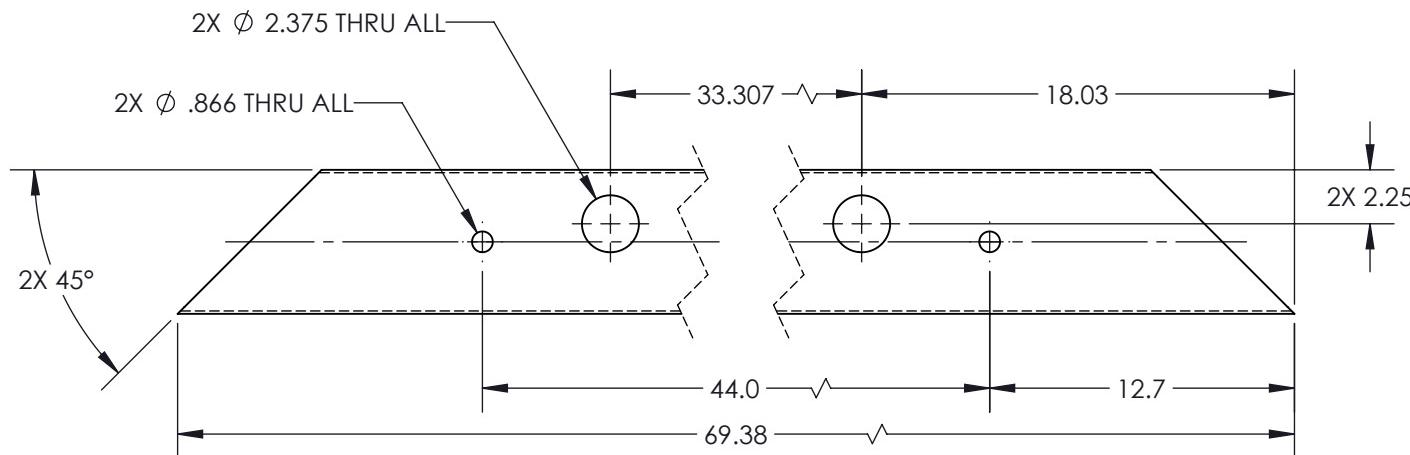
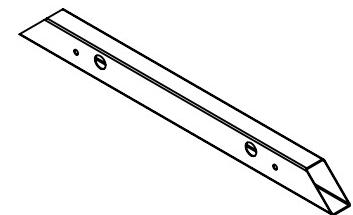


DETAIL B
SCALE 1 : 5
4 PLACES

/2 NO POWDER COAT THIS SURFACE.	
	
TITLE TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-1
REV 2	
MAT'L	
HEAT	
TREAT	
FINISH POWDER COAT YELLOW	
SPEC	FED #13538
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
SCALE	1:20
DATE	12/11/2015
USED ON MODEL	
H175	
SHEET 3 OF 31	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
.X ± .1 SURFACES = 125	
1. BREAK ALL SHARP EDGES .015 x 45° OR. 015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-3	CH'D DIM WAS .13 IS .12.	10/20/2016	SM	JAG



SEE ATTACHED DEVIATION



TITLE		TRANSMISSION STAND
DWG NO.		RBEM632V1005102-3
MAT'L		STEEL
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
TREAT		.XXX ± .010 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT		.XX ± .03 ANGLES ± 1°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE		1:8
DATE		12/11/2015
SHEET		4 OF 31

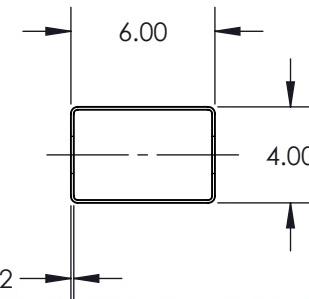
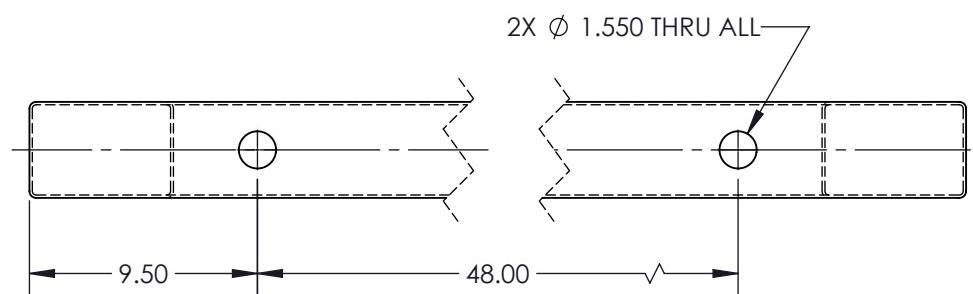
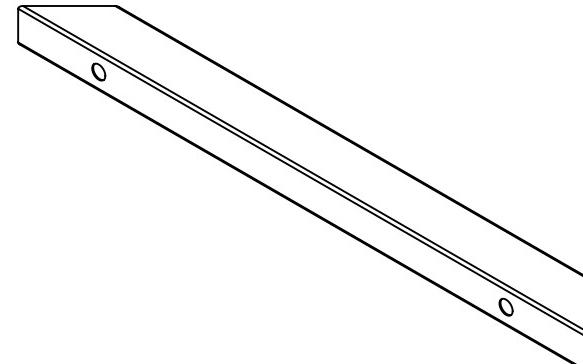
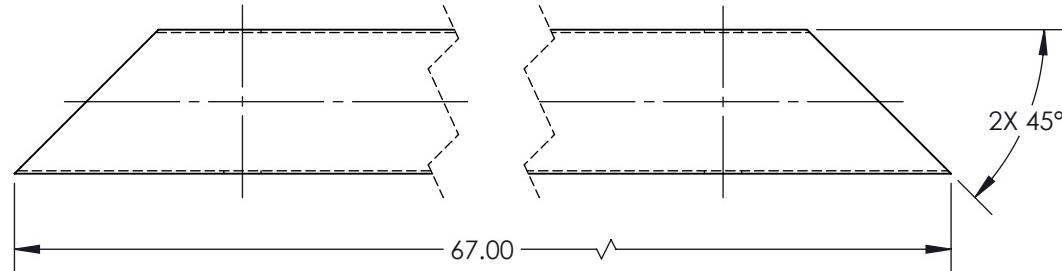
2

(-3)

FRONT & REAR TUBE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			REVISIONS		
2	16-0182	-5 CH'D DIM WAS .13 IS .12.			DATE	INITIAL	APPROVED	10/20/2016	SM	JAG	



SEE ATTACHED DEVIATION



TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-5	
MATERIAL		STEEL	
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH SEE -1 WELDMENT		.XX ± .03 ANGLES ± 1°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY:		DUERFELDT	
CHECKED:		CLOUGH	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT H175	
SCALE		1:8	DATE 12/11/2015
		SHEET 5 OF 31	

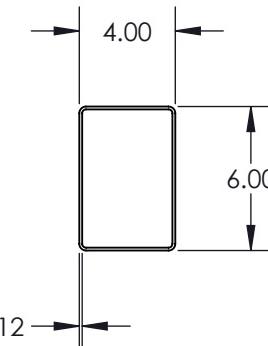
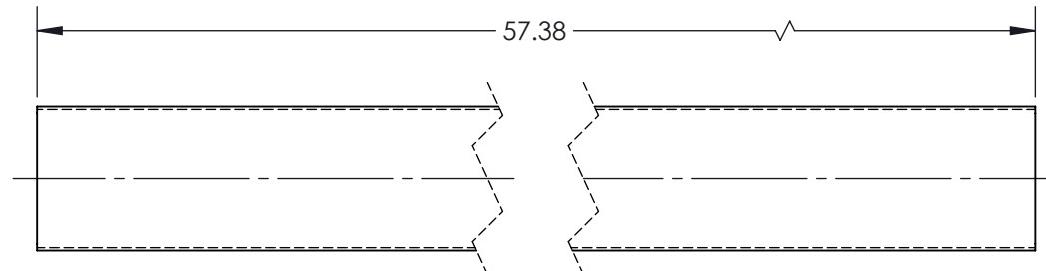
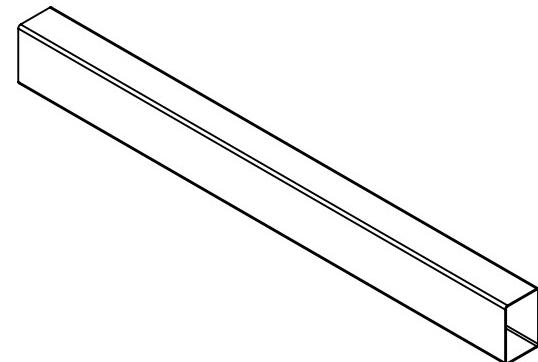
2

(-5)

SIDE TUBE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-7 CH'D DIM WAS .13 IS .12.		10/20/2016	SM	JAG



SEE ATTACHED DEVIATION



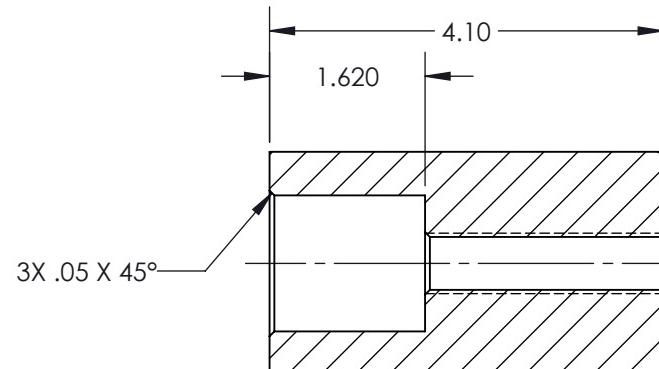
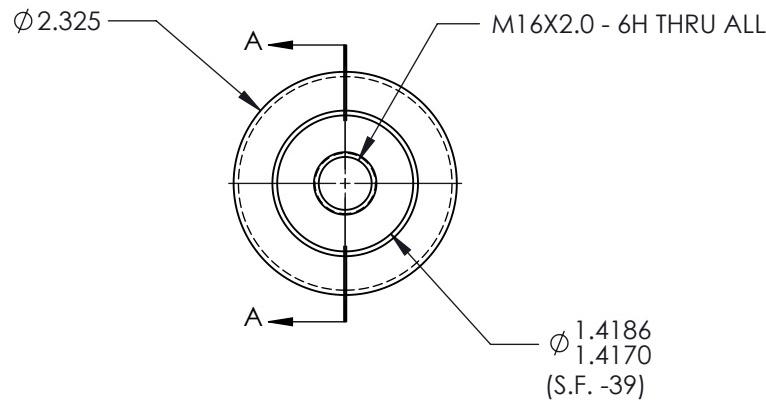
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-7
MAT'L	STEEL
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX ± .010 FRACTIONS ± 1/8
SPEC	.XX ± .03 ANGLES ± 1°
DRAWN BY:	GILBERT
CHECKED:	LINDSAY
OPPS APPR:	ANDERSON
QA APPR:	DUERFELDT
APPROVED:	CLOUGH
SCALE	1:8
DATE	12/11/2015
USED ON MODEL	
H175	
SHEET 6 OF 31	

(-7)

MID TUBE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



SECTION A-A

SEE ATTACHED DEVIATION



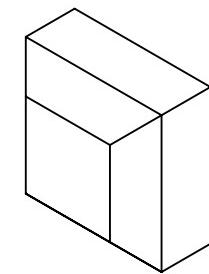
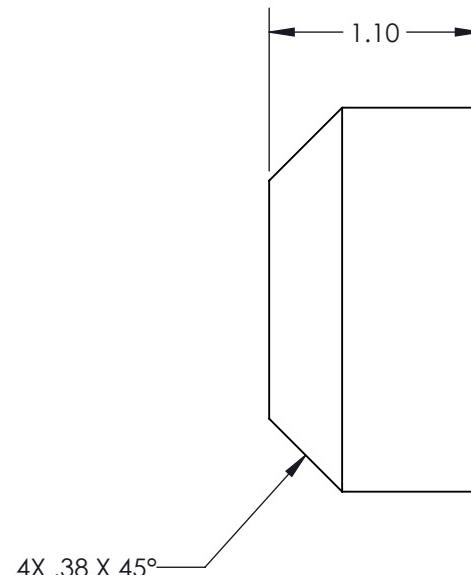
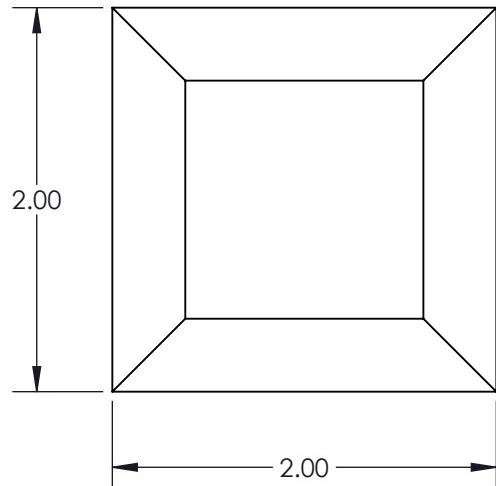
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-9
REV	2
MAT'L 4140/4142	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:2
DATE	12/11/2015
SHEET 7 OF 31	

(-9)

ANCHOR POCKET

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS	DESCRIPTION	DATE	INITIAL	APPROVED
-----	-----	-----------	-------------	------	---------	----------



SEE ATTACHED DEVIATION



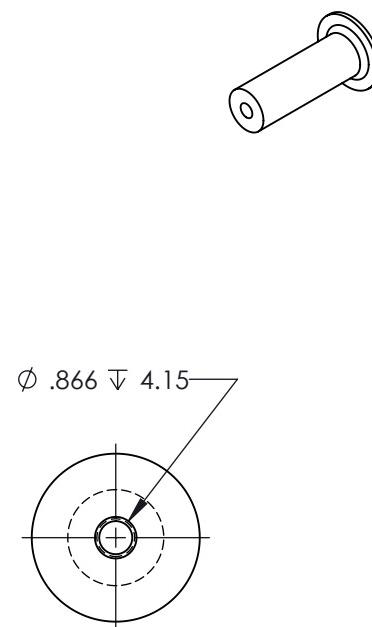
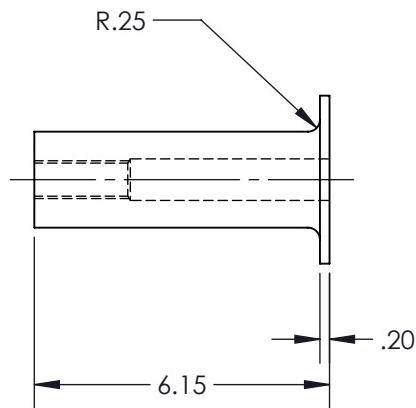
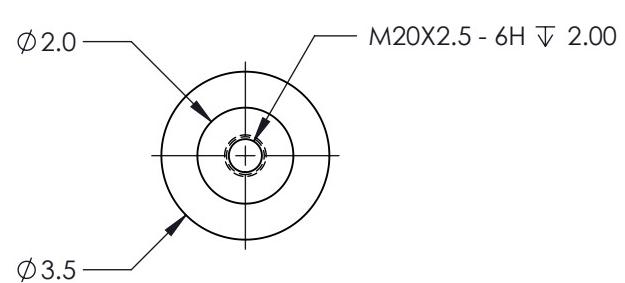
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-11
REV	2
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:1
DATE	12/11/2015
SHEET 8 OF 31	

(-11)

SQUARE LUG

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



SEE ATTACHED DEVIATION



TITLE		TRANSMISSION STAND
DWG NO.		RBEM632V1005102-13
MAT'L		4140/4142
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .005 FRACTIONS ± 1/8
SEE -1 WELDMENT		.XX ± .01 ANGLES ± 5°
SPEC		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE		1:4
DATE		12/11/2015
SHEET		9 OF 31

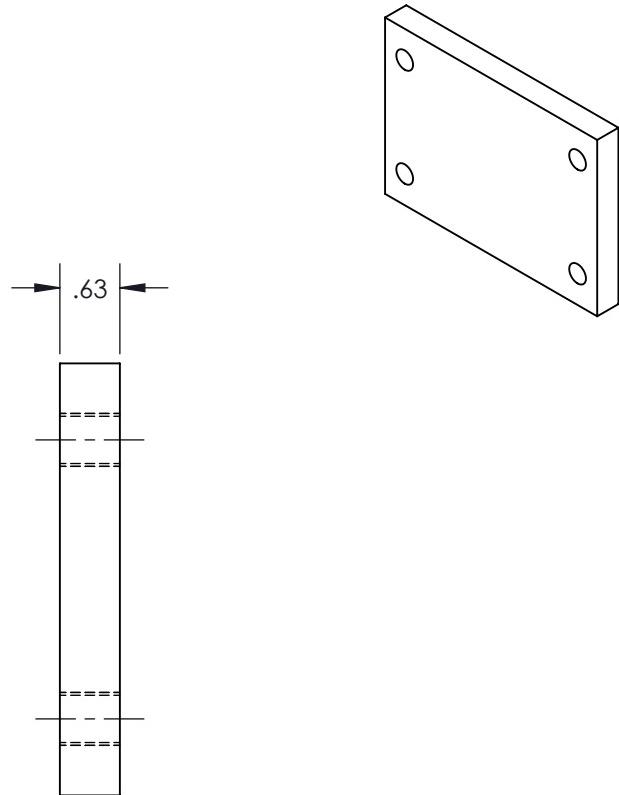
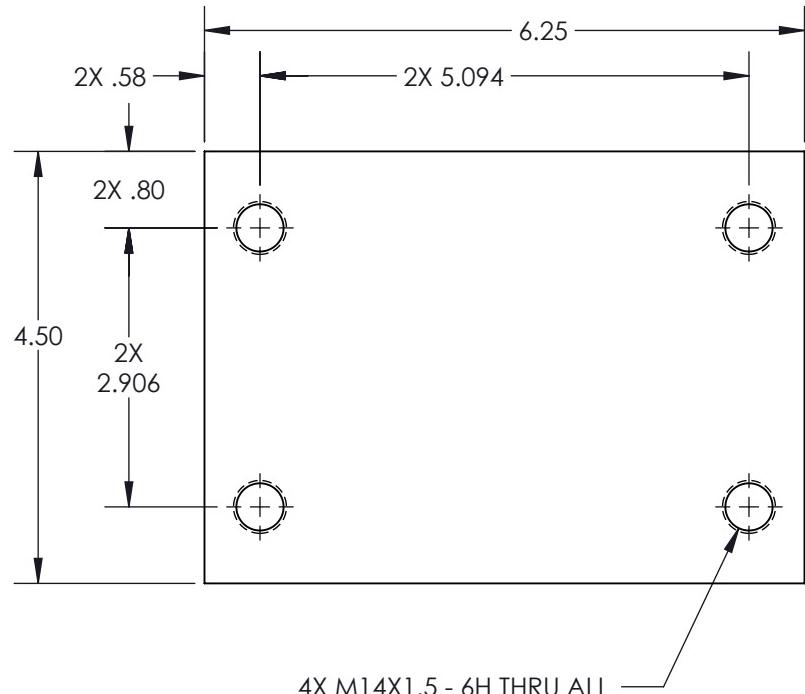
REV
2

(-13)

JACKSCREW BASE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL
				APPROVED



SEE ATTACHED DEVIATION



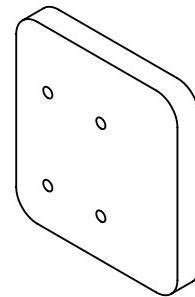
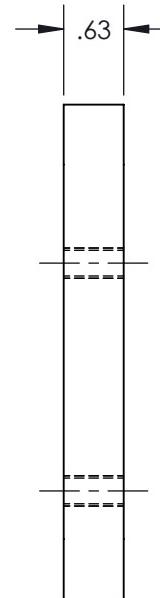
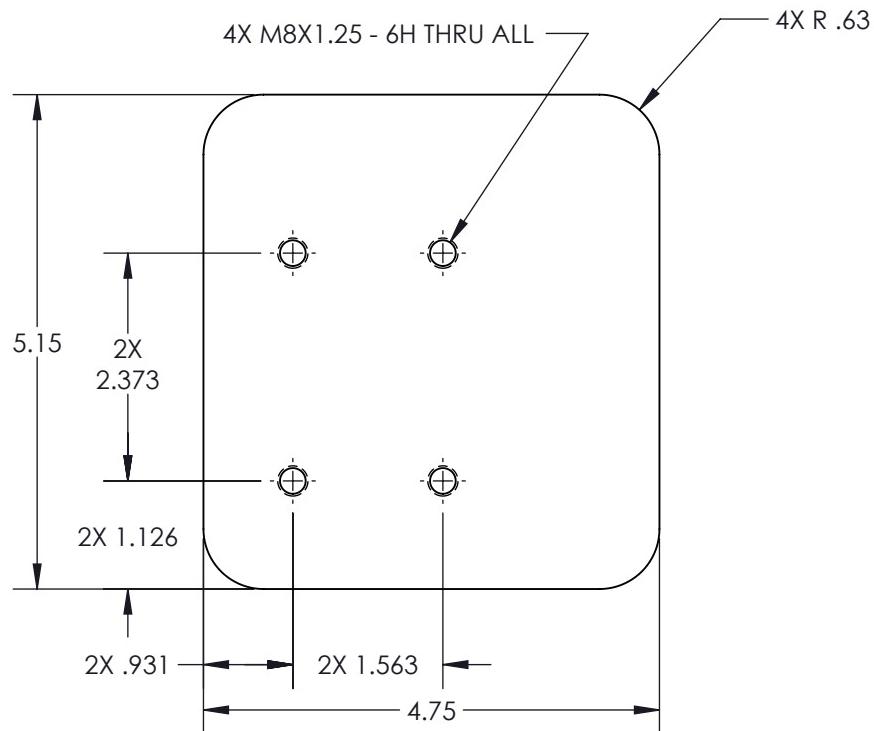
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-15
REV	2
MAT'L	A36/1018/1020 HR
HEAT	UNLESS OTHERWISE SPECIFIED
TREAT	DIMENSIONS ARE IN INCHES
FINISH SEE -1 WELDMENT	.XXX ± .005 FRACTIONS ± 1/8
SPEC	.XX ± .01 ANGLES ± 5°
DRAWN BY:	X ± .1 SURFACES = 125 ✓
CHECKED:	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
OPPS APPR:	2. DIMENSIONAL LIMITS APPLY AFTER PLATING
QA APPR:	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
APPROVED:	USED ON MODEL
	H175
SCALE	1:2
DATE	12/11/2015
SHEET	10 OF 31

-15

WHEEL PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



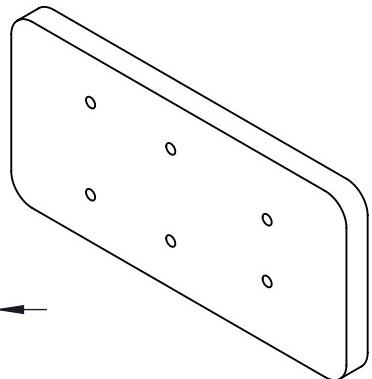
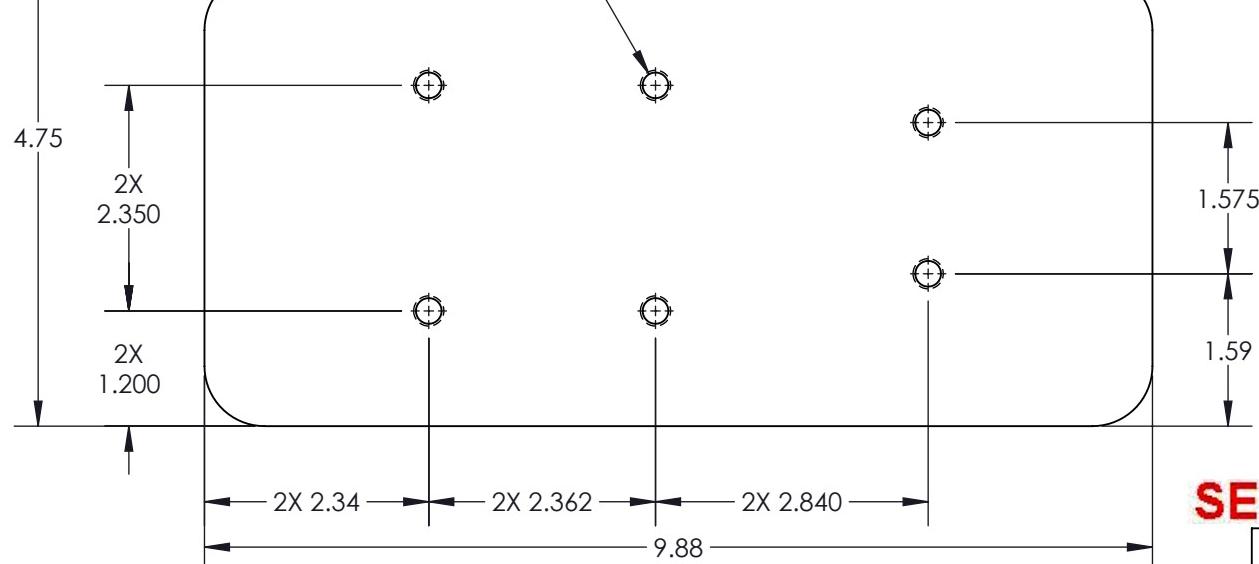
SEE ATTACHED DEVIATION



TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-17
REV	2
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:2
DATE	12/11/2015
SHEET 11 OF 31	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



.63

SEE ATTACHED DEVIATION



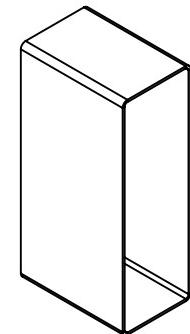
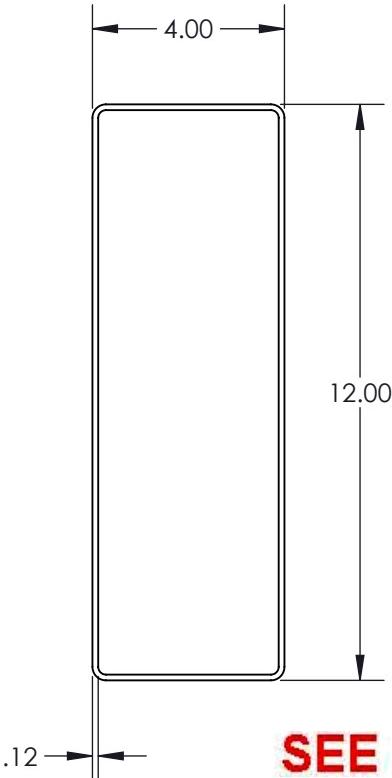
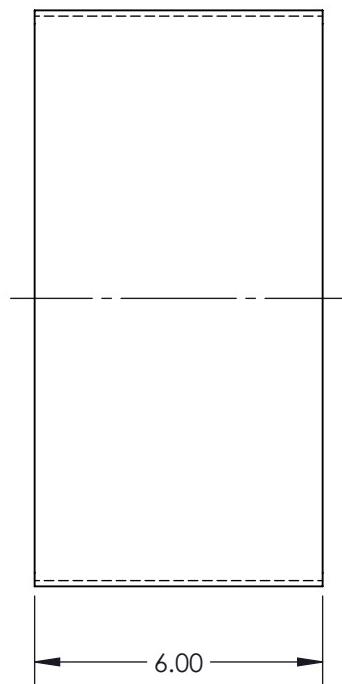
TITLE		TRANSMISSION STAND	REV 2
DWG NO.		RBEM632V1005102-19	
MAT'L A36/1018/1020 HR			UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT			.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE -1 WELDMENT			.XX ± .01 ANGLES ± 5°
SPEC			X ± .1 SURFACES = 125 ✓
DRAWN BY: DUERFELDT			1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH			2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON			3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY			USED ON MODEL
APPROVED: GILBERT			H175
SCALE	1:2	DATE	12/11/2015
			SHEET 12 OF 31

(-19)

LARGE MOUNT PLATE

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-21	CH'D DIM WAS .13 IS .12.	10/20/2016	SM	JAG



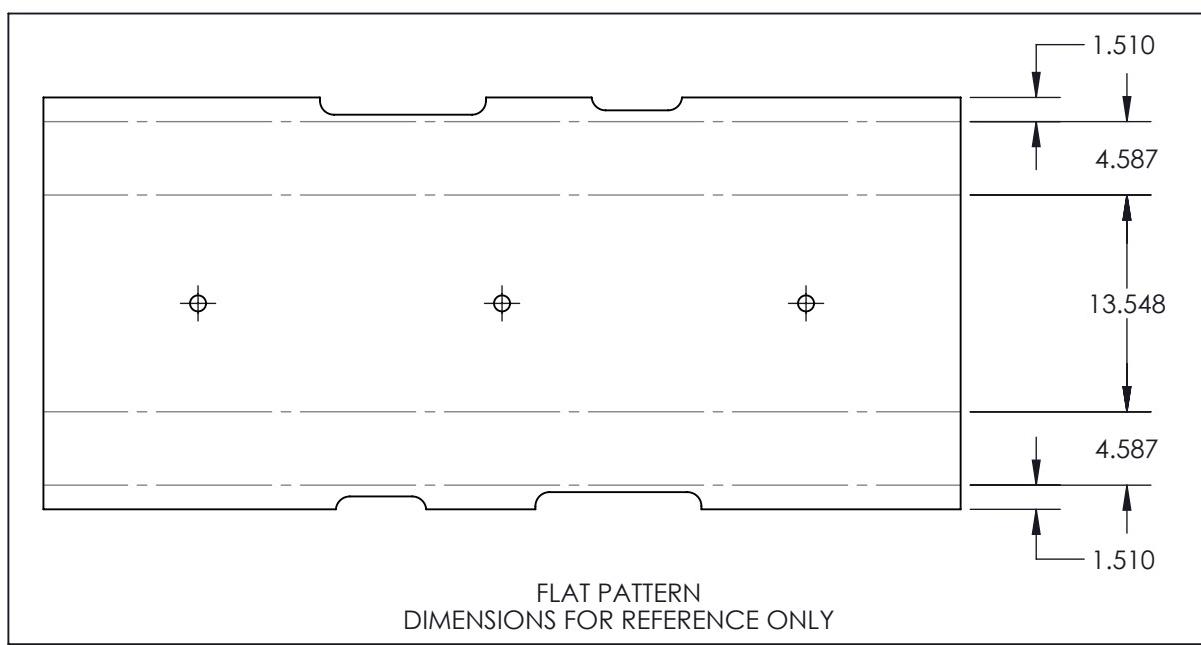
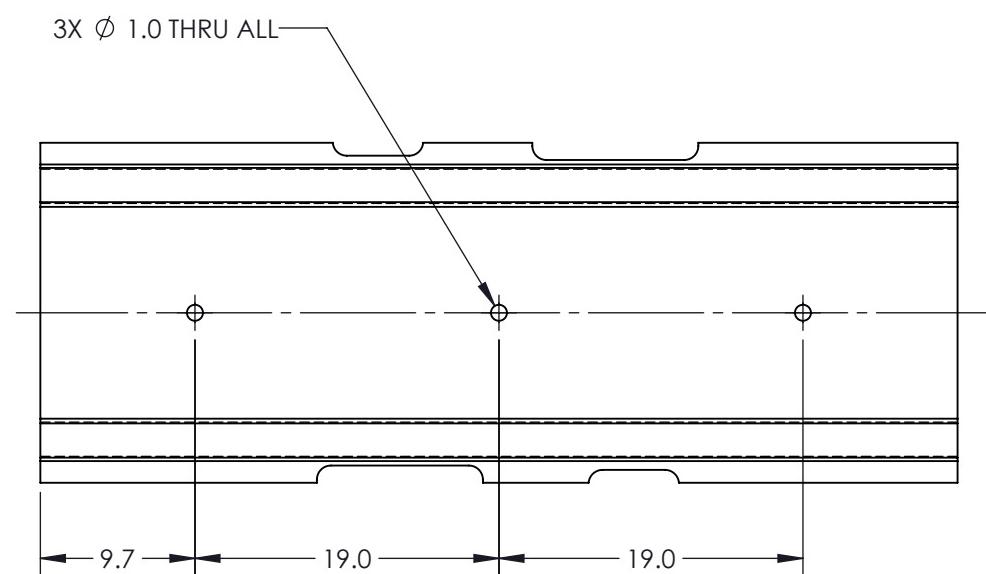
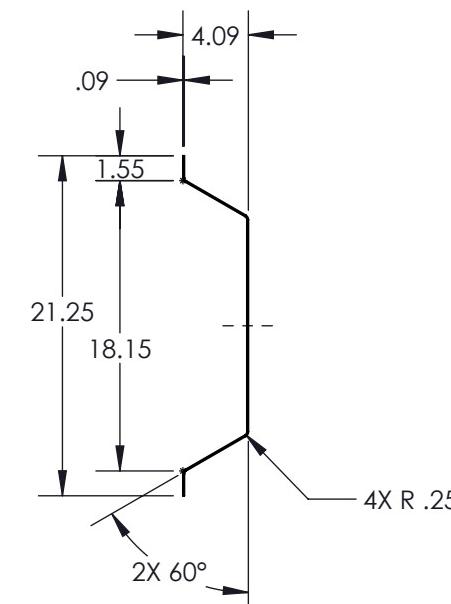
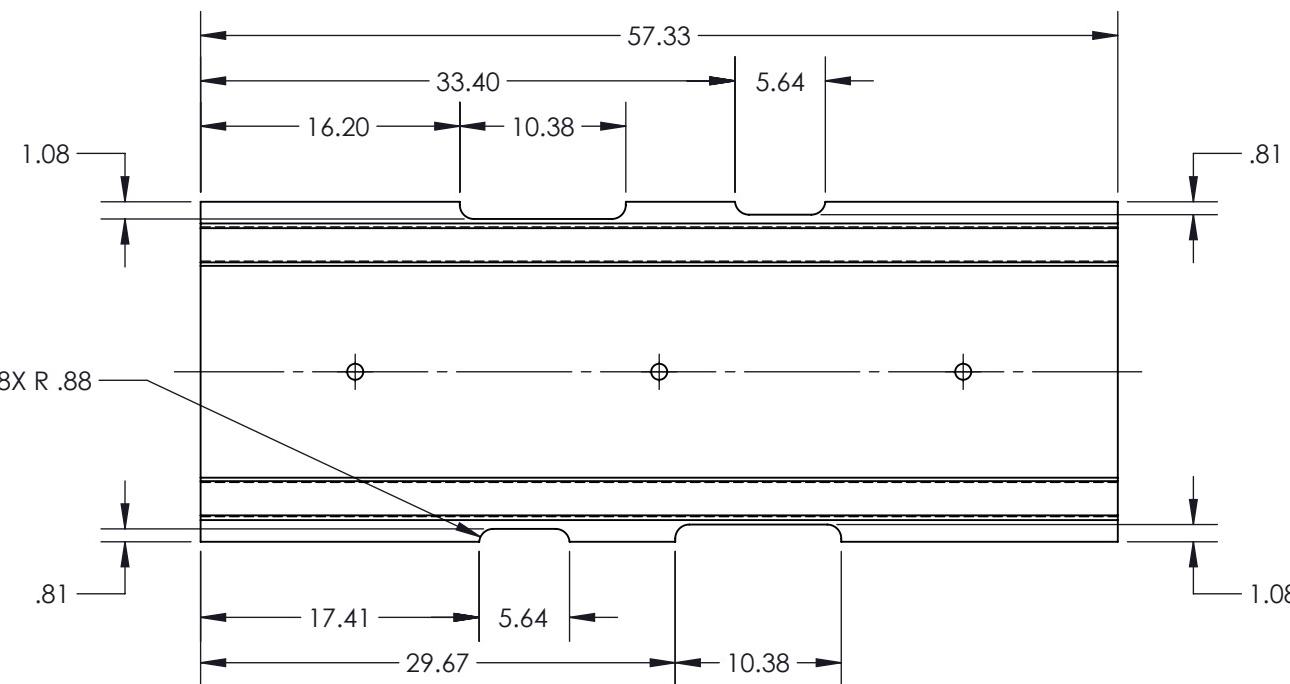
SEE ATTACHED DEVIATION



TITLE		REV
TRANSMISSION STAND		2
DWG NO.		RBEM632V1005102-21
MATERIAL STEEL		
HEAT		
TREAT		
FINISH SEE -1 WELDMENT		
SPEC		
DRAWN BY:	DUERFELDT	
CHECKED:	CLOUGH	
OPPS APPR:	ANDERSON	
QA APPR:	LINDSAY	
APPROVED:	GILBERT	
SCALE	1:4	DATE 12/11/2015
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES		
.XXX ± .010 FRACTIONS ± 1/8		
.XX ± .03 ANGLES ± 1°		
X ± .1 SURFACES = 125 ✓		
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R		
2. DIMENSIONAL LIMITS APPLY AFTER PLATING		
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009		
USED ON MODEL		
H175		
SHEET 13 OF 31		

(-21)

FORK POCKET



-23

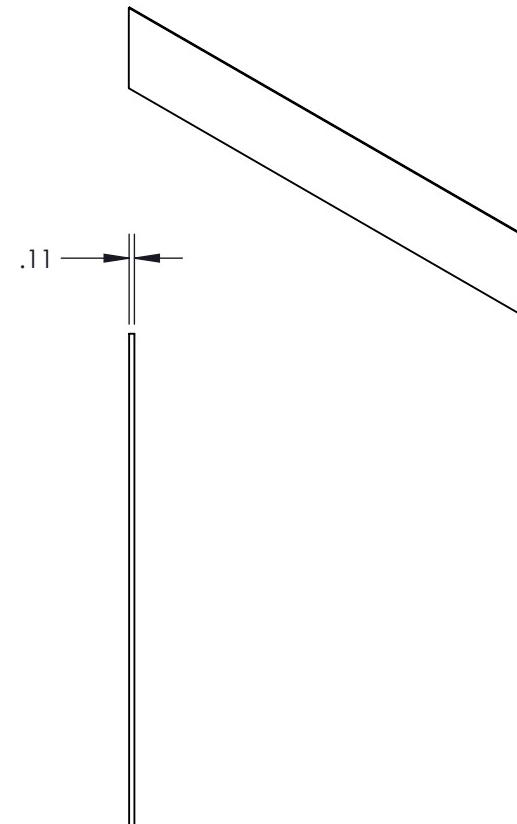
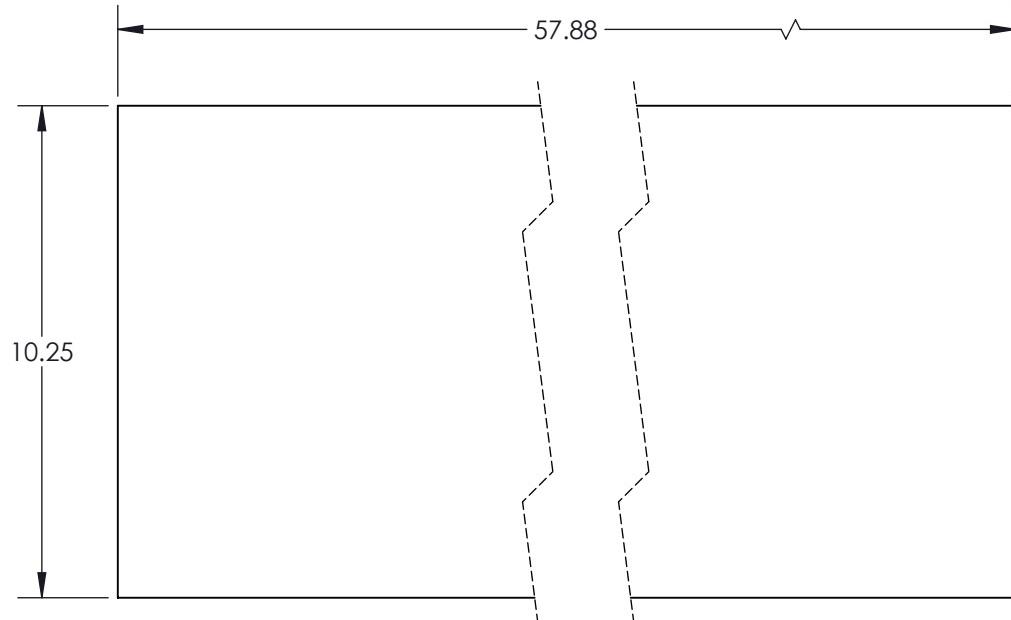
BOTTOM PAN

SEE ATTACHED DEVIATION

DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-23
REV	2
MAT'L A36/1018/1020 HR	
HEAT TREAT	
FINISH SEE -1 WELDMENT	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:12
DATE	12/11/2015
SHEET 14 OF 31	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS			
REV	ECR		DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-25	CH'D DIM WAS .09 IS .11.	10/20/2016	SM	JAG



SEE ATTACHED DEVIATION



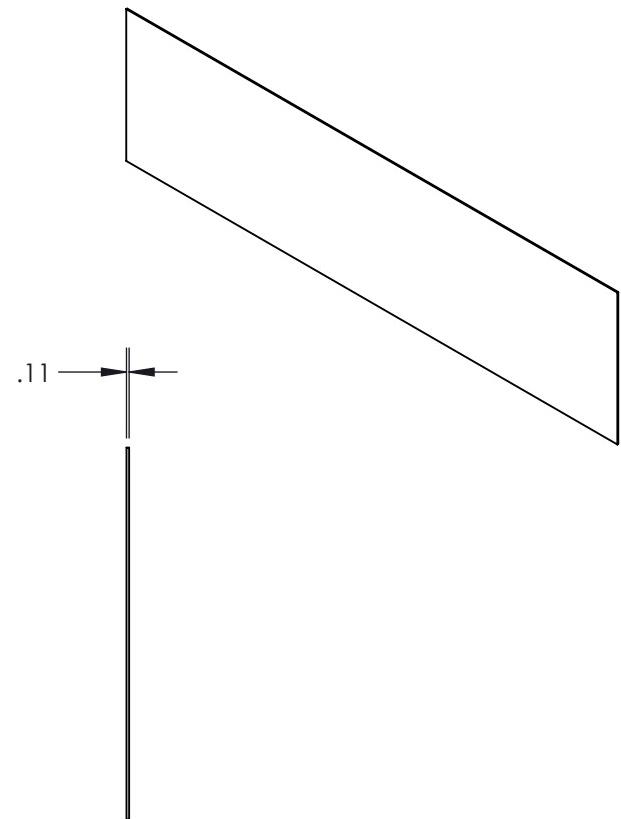
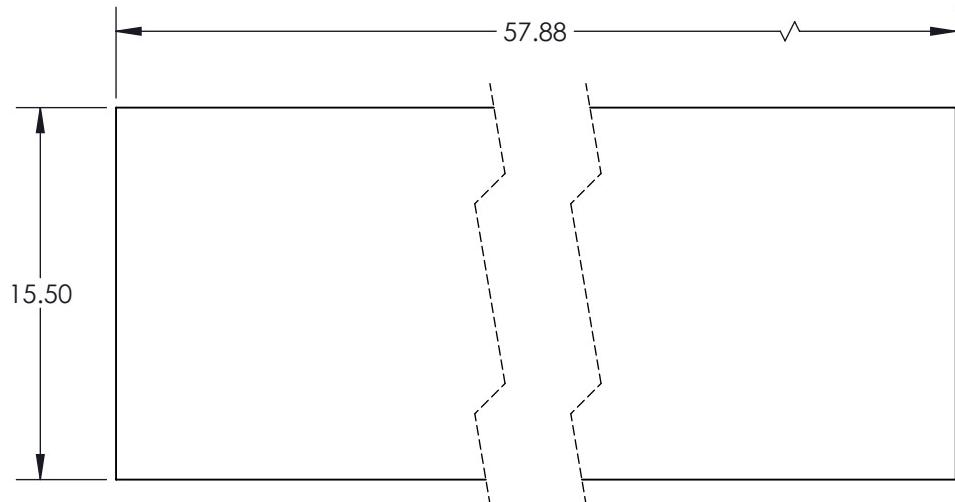
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-25
REV	2
MATERIAL A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:4
DATE	12/11/2015
SHEET 15 OF 31	

(-25)

SMALL COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			REVISIONS		
DATE	INITIAL	APPROVED									
10/20/2016	SM	JAG	2	16-0182	-27	CH'D DIM WAS .09 IS .11.					



SEE ATTACHED DEVIATION

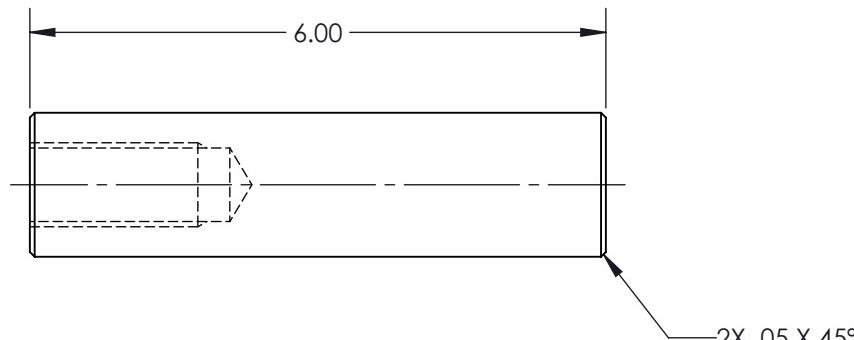
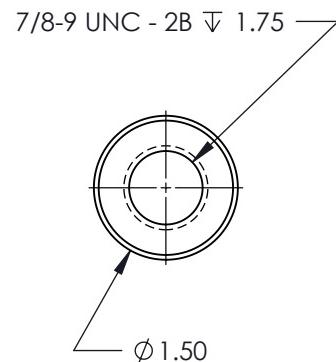
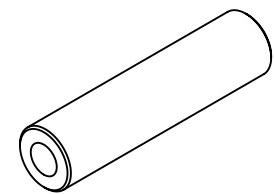
DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-27
REV	2
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH SEE -1 WELDMENT	X ± .1 SURFACES = 125 ✓
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:8
DATE	12/11/2015
SHEET 16 OF 31	

(-27)

LARGE COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	18-0182	-29 CH'D DIM WAS M20X2.5 - 6H ∇ 1.58 IS 7/8-9 UNC - 2B ∇ 1.75	10/21/2016	SM	JAG



SEE ATTACHED DEVIATION



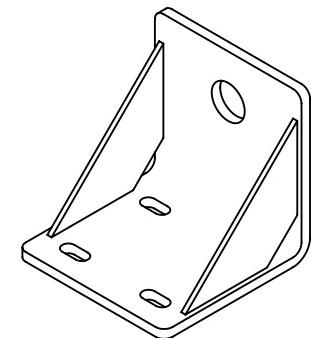
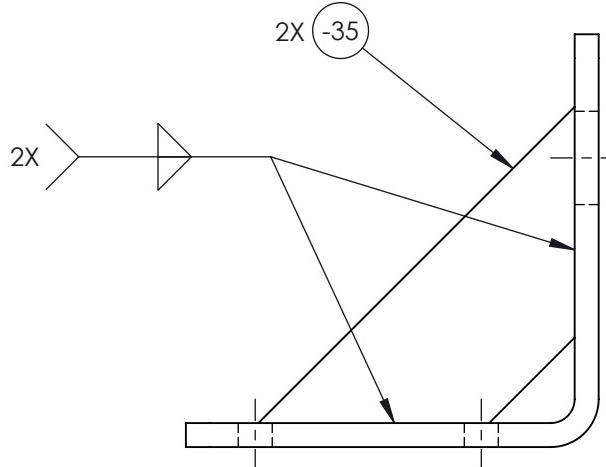
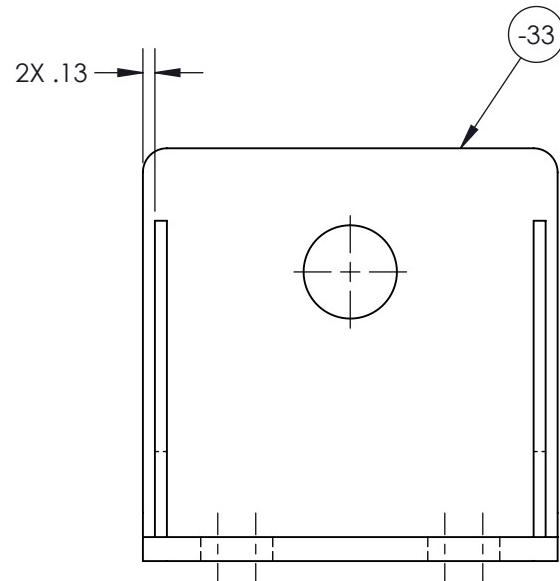
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-29
REV	2
MAT'L 4140/4142	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT .XXX ± .005 FRACTIONS ± 1/8	
TREAT .XX ± .01 ANGLES ± 5°	
FINISH SEE -1 WELDMENT .X ± .1 SURFACES = 125 ✓	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:2
DATE	12/11/2015
SHEET	17 OF 31

(-29)

TIE DOWN ANCHOR

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



SEE ATTACHED DEVIATION



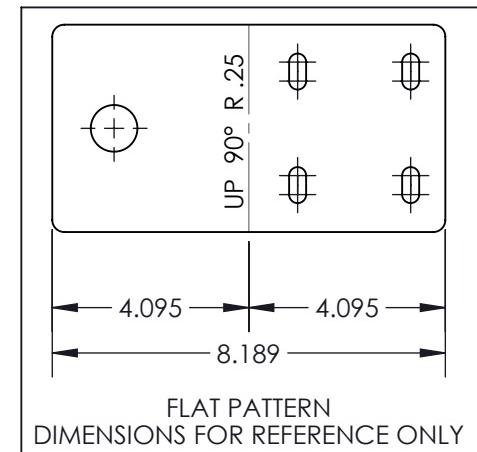
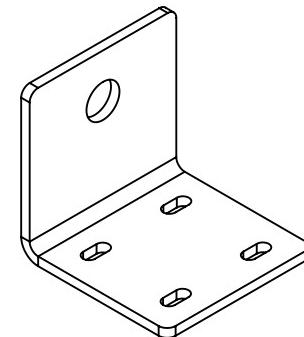
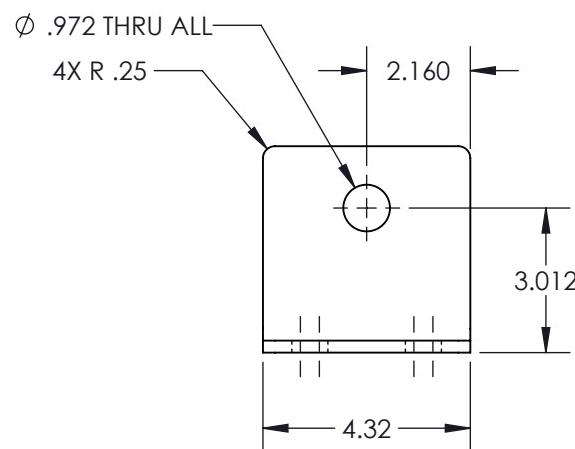
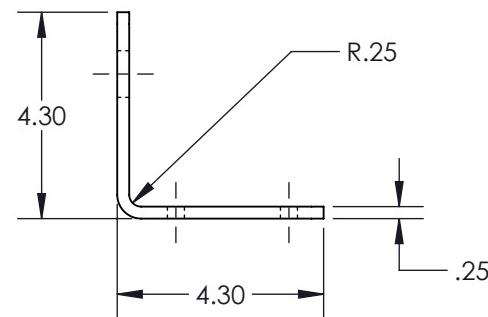
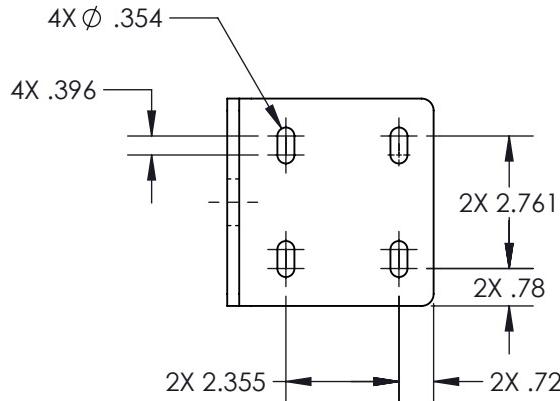
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-31
REV	2
MAT'L	
HEAT	
TREAT	
FINISH POWDER COAT YELLOW	
SPEC FED #13538	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
.XXX ± .010 FRACTIONS ± 1/8	
.XX ± .03 ANGLES ± 1°	
X ± .1 SURFACES = 125 ✓	
1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
USED ON MODEL	
H175	
SCALE	1:2
DATE	12/11/2015
SHEET 18 OF 31	

(-31)

BRACKET WELDMENT

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



SEE ATTACHED DEVIATION

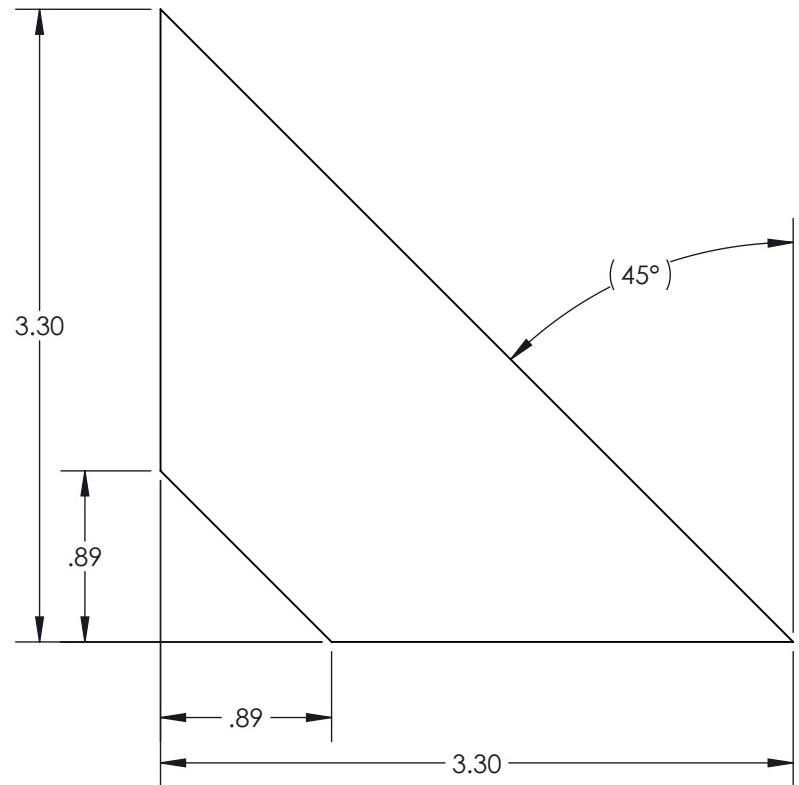
(-33)

BRACKET

DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO. RBEM632V1005102-33	
REV 2	
MAT'L A36/1018/1020 HR	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT	
.XXX ± .010 FRACTIONS ± 1/8	
FINISH SEE -31 WELDMENT	
.XX ± .03 ANGLES ± 1°	
SPEC	
.X ± .1 SURFACES = 125 ✓	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	
H175	
SCALE 1:4	DATE 12/11/2015
SHEET 19 OF 31	

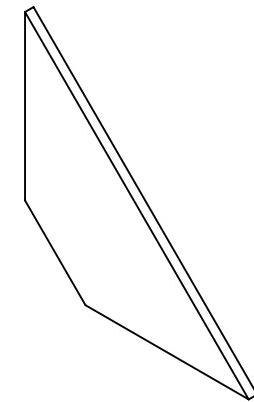
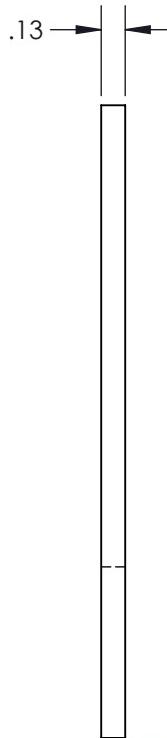
This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



(-35)

BRACKET GUSSET



SEE ATTACHED DEVIATION

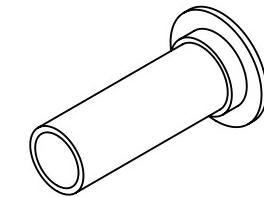
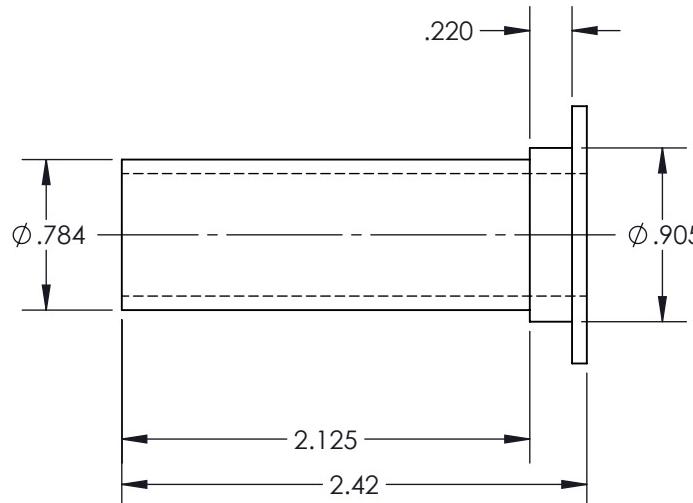
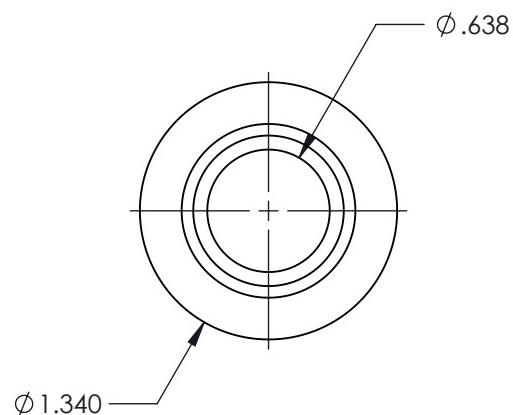


TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-35	
MAT'L		A36/1018/1020 HR	
HEAT		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
TREAT		.XXX ± .010 FRACTIONS ± 1/8	
FINISH		.XX ± .03 ANGLES ± 1°	
SPEC		X ± .1 SURFACES = 125 ✓	
DRAWN BY:		DUERFELDT	
CHECKED:		CLOUGH	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT H175	
SCALE		1:1	DATE 12/11/2015
		SHEET 20 OF 31	

REV
2

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION			DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	--	------	---------	----------



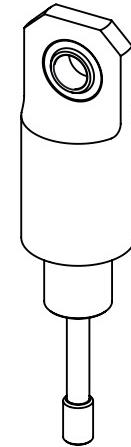
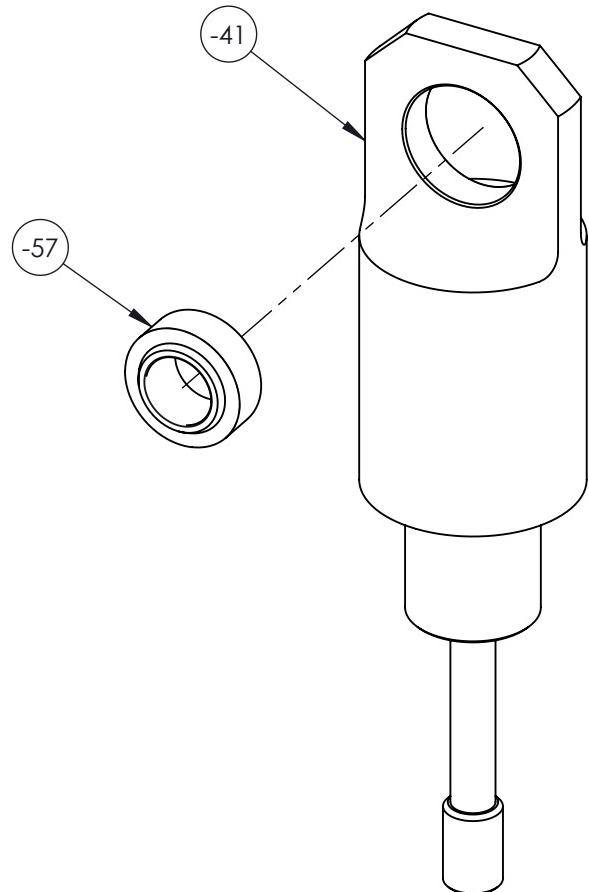
SEE ATTACHED DEVIATION



TITLE		TRANSMISSION STAND
DWG NO.		RBEM632V1005102-37
MAT'L		4140/4142
HEAT		UNLESS OTHERWISE SPECIFIED
TREAT		DIMENSIONS ARE IN INCHES
FINISH		.XXX ± .005 FRACTIONS ± 1/8
SPEC		.XX ± .01 ANGLES ± 5°
ASTM B633 TYPE I SC 2		X ± .1 SURFACES = 125 ✓
DRAWN BY:		DUERFELDT
CHECKED:		CLOUGH
OPPS APPR:		ANDERSON
QA APPR:		LINDSAY
APPROVED:		GILBERT
SCALE		1:1
DATE		12/11/2015
SHEET		21 OF 31

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS		
				DESCRIPTION		DATE
				INITIAL	APPROVED	



SEE ATTACHED DEVIATION



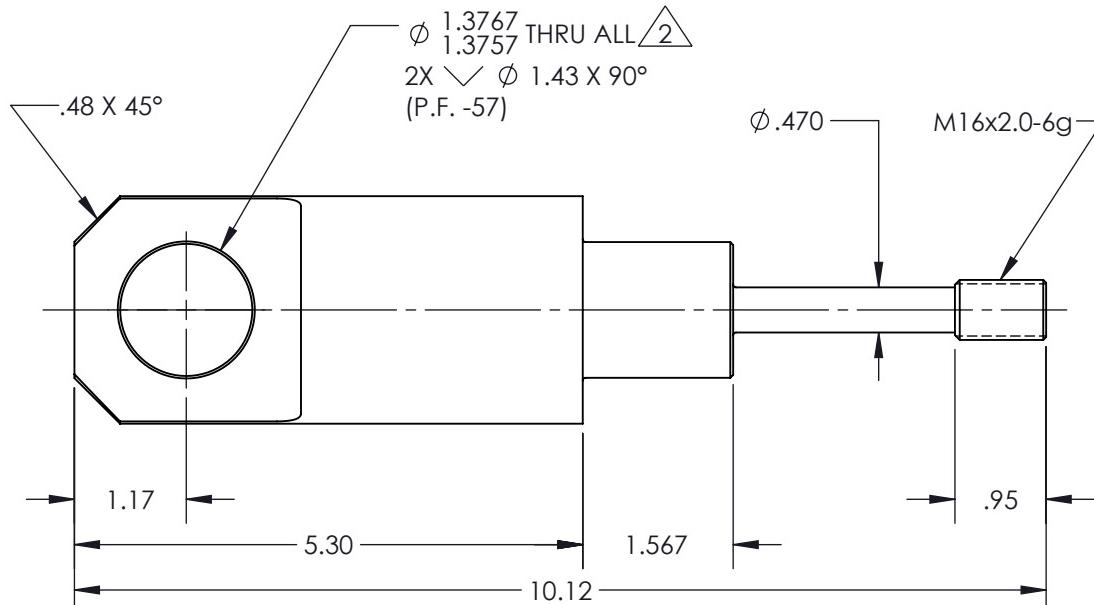
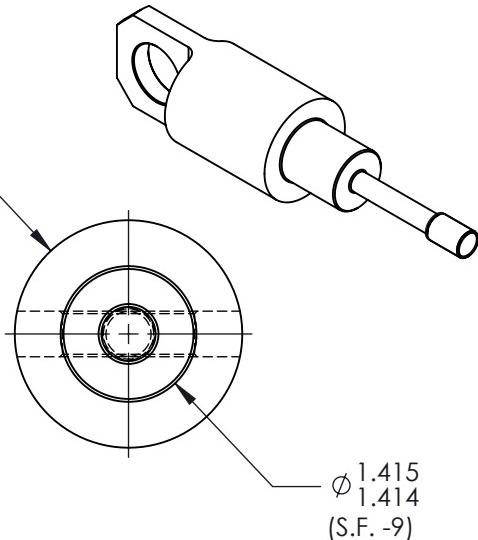
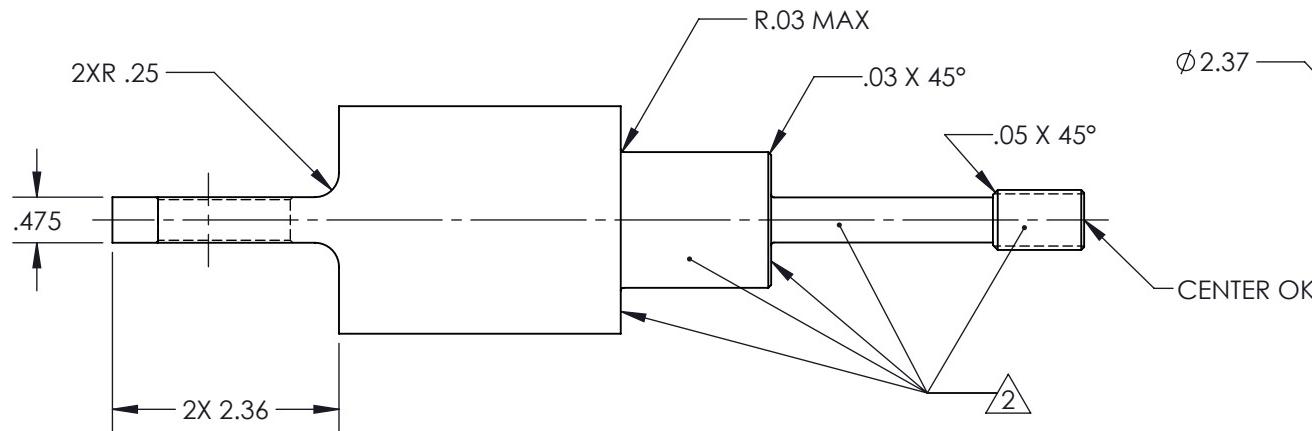
TITLE		TRANSMISSION STAND	
DWG NO.		RBEM632V1005102-39	
REV		2	
MAT'L		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		.XXX ± .005 FRACTIONS ± 1/8	
TREAT		.XX ± .01 ANGLES ± 5°	
FINISH		X ± .1 SURFACES = 125	
SPEC		✓	
DRAWN BY:		DUERFELDT	
CHECKED:		CLOUGH	
OPPS APPR:		ANDERSON	
QA APPR:		LINDSAY	
APPROVED:		GILBERT H175	
USED ON MODEL			
SCALE 1:2		DATE 12/11/2015	
SHEET 22 OF 31			

-39

ANCHOR ASSEMBLY

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV			ECR			DESCRIPTION			DATE			INITIAL			APPROVED		
2	16-0182		-41 ADDED DIM .05 X 45°; ADDED NOTE "CENTER OK".						10/20/2016			SM			JAG		



SEE ATTACHED DEVIATION

NOTES:

- 1.-DUAL FINISH:
1ST: ZINC PLATE, ASTM B633 TYPE I SC2
2ND: POWDER COAT YELLOW, FED #13538.

2 NO POWDER COAT THIS SURFACE.



TRANSMISSION STAND

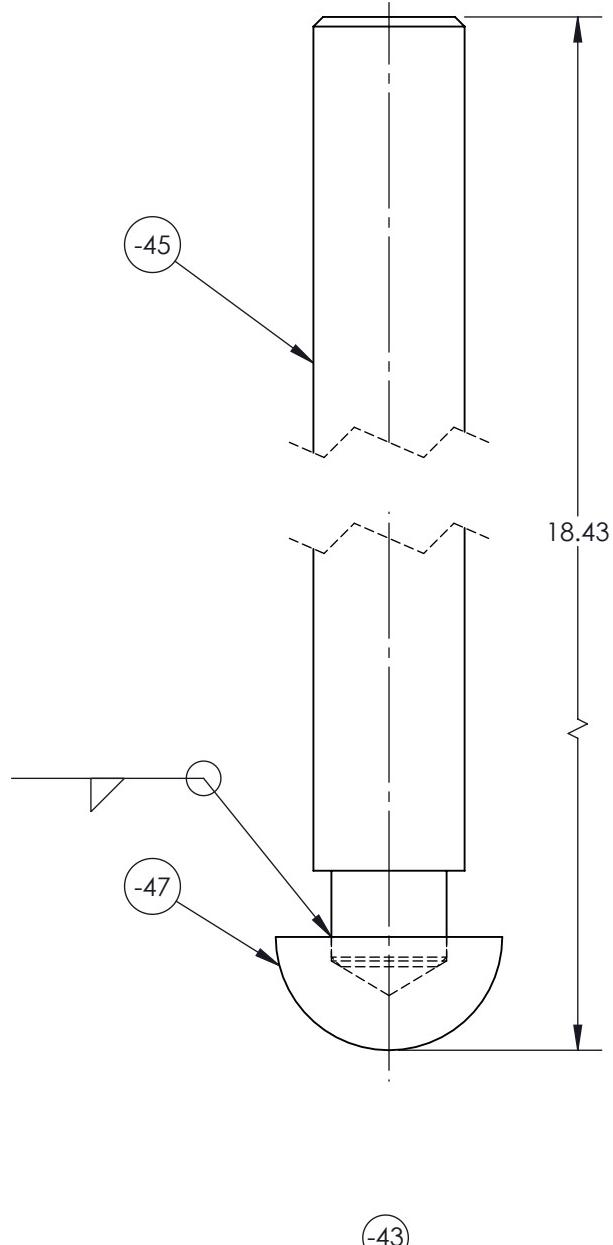
TITLE		REV
DWG NO.	RBEM632V1005102-41	2
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT TREAT		.XXX ± .005 FRACTIONS ± 1/8
FINISH SEE NOTE 1		.XX ± .01 ANGLES ± 5°
SPEC		X ± .1 SURFACES = 125
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009
QA APPR: LINDSAY		USED ON MODEL
APPROVED: GILBERT		H175
SCALE	1:2	DATE 12/11/2015
		SHEET 23 OF 31

(-41)

ANCHOR

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV	ECR	REVISIONS		
		DESCRIPTION	DATE	INITIAL



JACKSCREW ROD WELDMENT

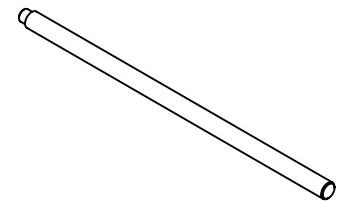
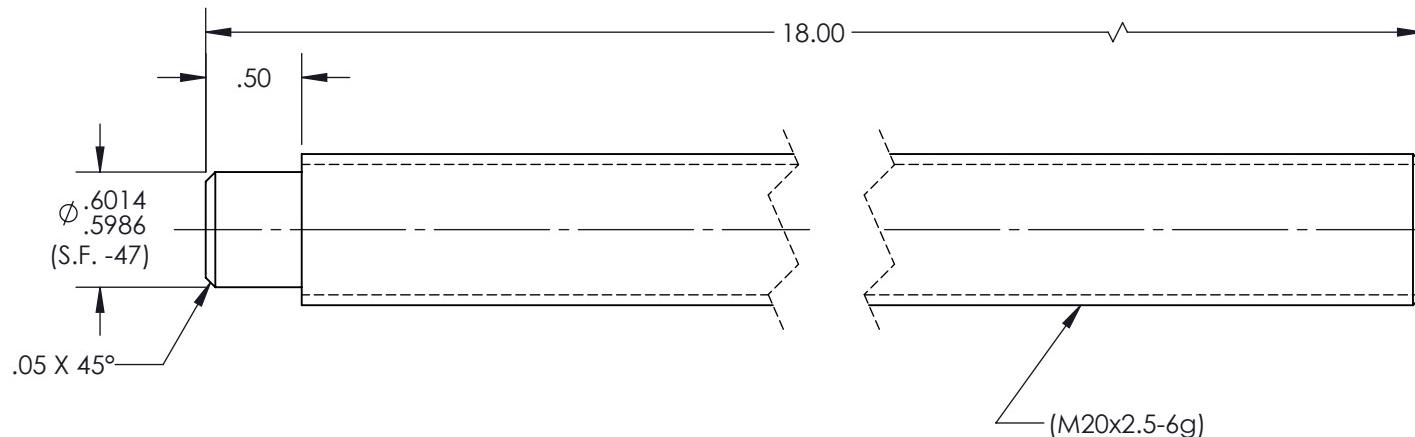


SEE ATTACHED DEVIATION

DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-43
REV	2
MAT'L	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	ASTM B633 TYPE I SC 2
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:1
DATE	12/11/2015
SHEET 24 OF 31	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-45 CH'D DIM WAS $\varnothing .6014/.5986$ S.F. -47 IS $\varnothing .6014/.5986$ (S.F. -47).	10/20/2016	SM	JAG



SEE ATTACHED DEVIATION



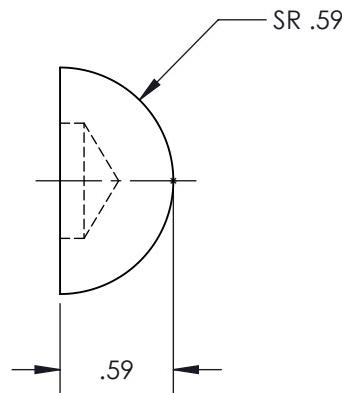
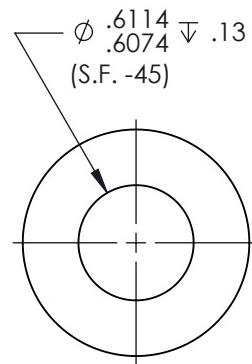
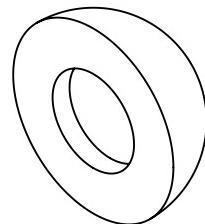
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-45
REV	2
MAT'L B7	
HEAT	
TREAT	
FINISH SEE -43 WELDMENT	
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:1
DATE	12/11/2015
SHEET	25 OF 31

(-45)

JACKSCREW ROD

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS					
REV	ECR	DESCRIPTION	DATE	INITIAL	APPROVED
2	16-0182	-47 CH'D DIM WAS Ø.6114/.6074 ▽.13 S.F. -45 IS Ø.6114/.6074 ▽.13 (S.F. -45).	10/20/2016	SM	JAG



SEE ATTACHED DEVIATION



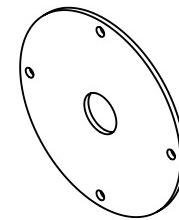
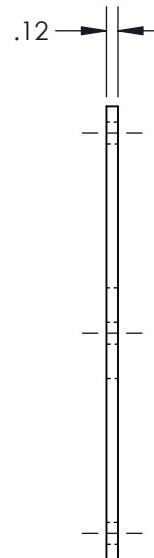
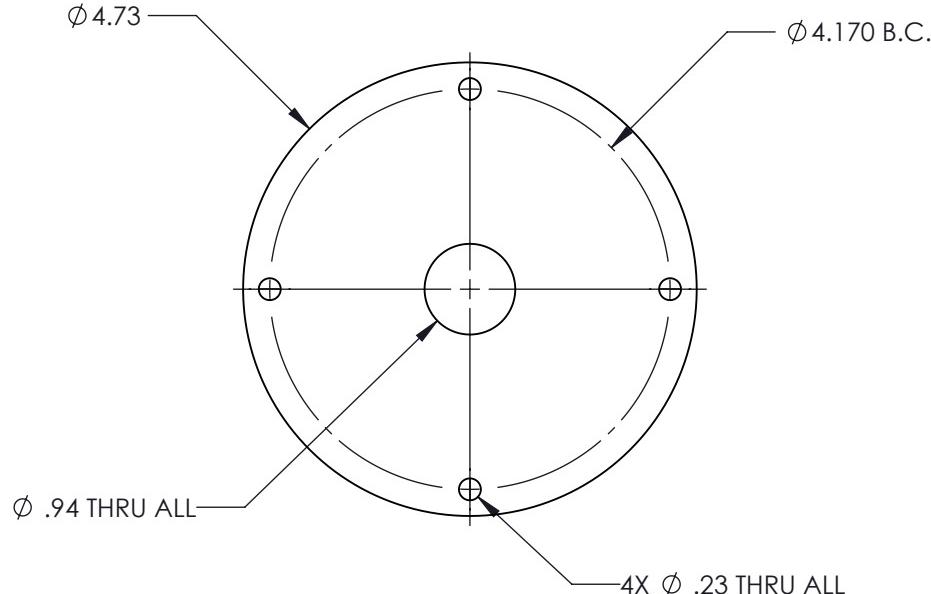
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-47
REV	2
MATERIAL 4140/4142	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT TREAT	
.XXX ± .005 FRACTIONS ± 1/8	
FINISH SEE -43 WELDMENT	
.XX ± .01 ANGLES ± 5°	
SPEC X ± .1 SURFACES = 125 ✓	
DRAWN BY: DUERFELDT	
CHECKED: CLOUGH	
OPPS APPR: ANDERSON	
QA APPR: LINDSAY	
APPROVED: GILBERT	
USED ON MODEL	H175
SCALE 1:1	DATE 12/11/2015
SHEET 26 OF 31	

(-47)

JACKSCREW ROD PIVOT

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		REVISIONS			DESCRIPTION		DATE		INITIAL	APPROVED



SEE ATTACHED DEVIATION



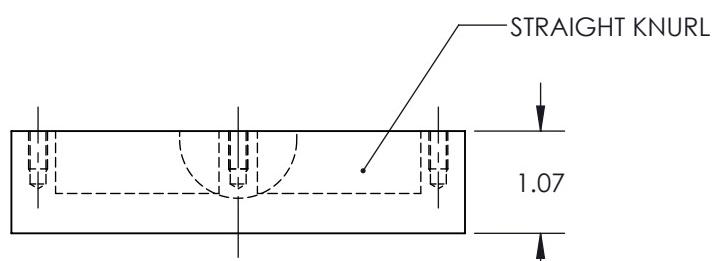
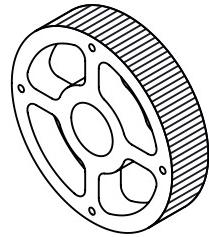
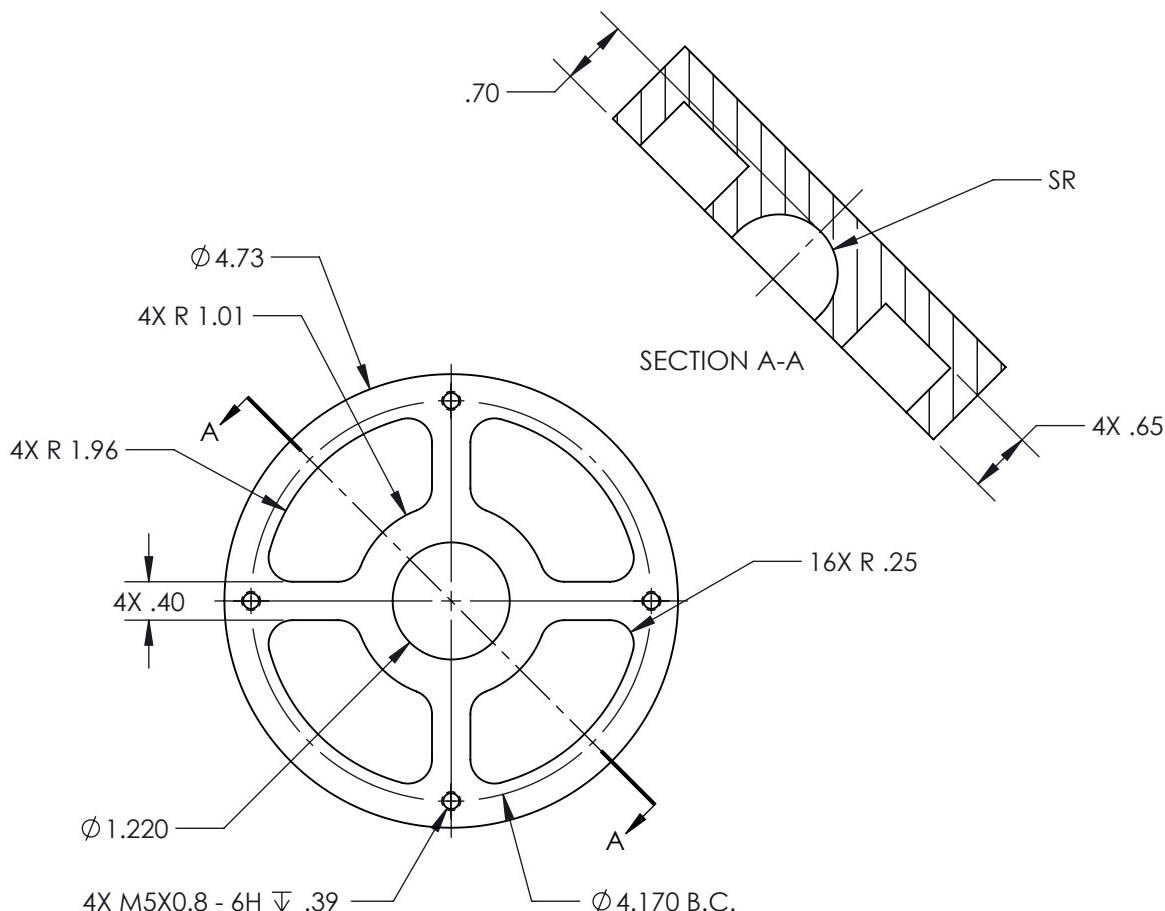
TITLE		TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-49		REV 2
MAT'L A36/1018/1020 HR		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005	FRACTIONS ± 1/8	
TREAT	.XX ± .01	ANGLES ± 5°	
FINISH	X ± .1	SURFACES = 125	✓
SPEC FED #13538			
DRAWN BY:	DUERFELDT	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R	
CHECKED:	CLOUGH	2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR:	ANDERSON	3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR:	LINDSAY	USED ON MODEL	
APPROVED:	GILBERT	H175	
SCALE	1:2	DATE	12/11/2015
			SHEET 27 OF 31

-49

JACKSCREW COVER

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REV		ECR		DESCRIPTION		DATE	INITIAL	APPROVED
-----	--	-----	--	-------------	--	------	---------	----------



JACKSCREW FOOT

(-51)

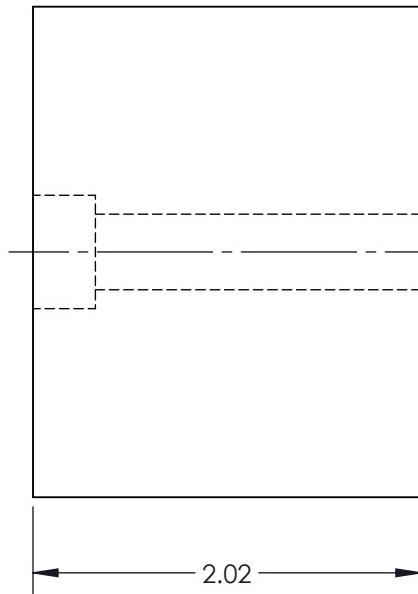
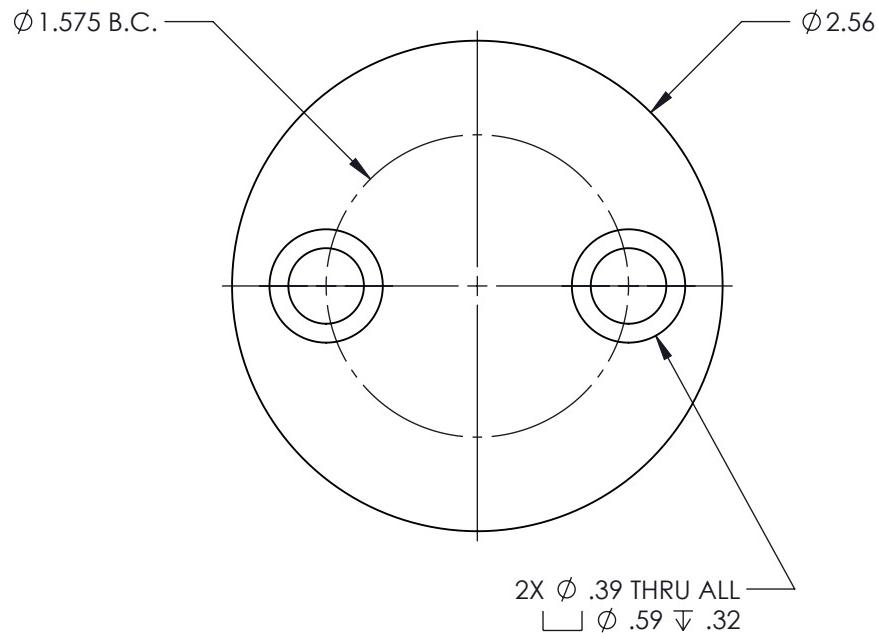
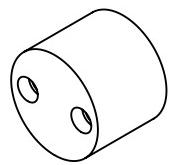
SEE ATTACHED DEVIATION

DART
AEROSPACE

TITLE		REV	
TRANSMISSION STAND		2	
DWG NO.		RBEM632V1005102-51	
MAT'L 4140/4142		UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT		$.XXX \pm .005$ FRACTIONS $\pm 1/8$	
TREAT		$.XX \pm .01$ ANGLES $\pm 5^\circ$	
FINISH POWDER COAT YELLOW		$X \pm .1$ SURFACES = 125	
SPEC FED #13538		✓	
DRAWN BY: DUERFELDT		1. BREAK ALL SHARP EDGES $.015 \times 45^\circ$ OR .015R	
CHECKED: CLOUGH		2. DIMENSIONAL LIMITS APPLY AFTER PLATING	
OPPS APPR: ANDERSON		3. INTERPRET DIM AND TOL PER ASME Y14.5M-2009	
QA APPR: LINDSAY		USED ON MODEL	
APPROVED: GILBERT		H175	
SCALE	1:2	DATE	12/11/2015
		SHEET 28 OF 31	

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

			REVISIONS		
REV	ECR		DESCRIPTION	DATE	INITIAL
2	16-0182	-53	CH'D DIM WAS 2X Ø.29 THRU ALL ↗ Ø.43 ↓ .25 IS 2X Ø.39 THRU ALL ↗ Ø.59 ↓ .32.	10/20/2016	SM JAG



SEE ATTACHED DEVIATION



TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-53
REV	2
MATERIAL: WHITE DELRIN/ACETAL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .005 FRACTIONS ± 1/8
TREAT	.XX ± .01 ANGLES ± 5°
FINISH	X ± .1 SURFACES = 125
SPEC	
DRAWN BY:	DUERFELDT
CHECKED:	CLOUGH
OPPS APPR:	ANDERSON
QA APPR:	LINDSAY
APPROVED:	GILBERT
USED ON MODEL	H175
SCALE	1:1
DATE	12/11/2015
SHEET 29 OF 31	

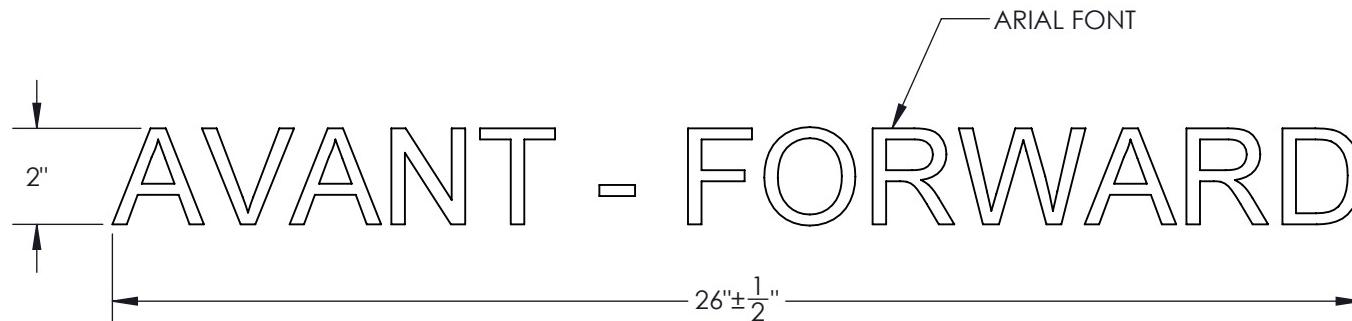
(-53)

DELRIN PAD

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
2	16-0182	-89	ADDED TO BOM QTY 1. ADDED DRAWING.		2/3/2017	SM	JAG

AVANT - FORWARD



SEE ATTACHED DEVIATION

DART AEROSPACE	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-89
REV	2
MATERIAL BLACK CUT, VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	CLOUGH
CHECKED:	
OPPS APPR:	
QA APPR:	
APPROVED:	H175
USED ON MODEL	
SCALE	1:4
DATE	1/18/2017
SHEET 30 OF 31	

(-89)

LABEL

This drawing, specifications, and concepts contained here in are the sole property of Dart Aerospace, and may not be reproduced or used in any fashion without the prior written permission of Dart Aerospace Eugene, OR.

REVISIONS							
REV	ECR	DESCRIPTION			DATE	INITIAL	APPROVED
2	16-0182	-91	ADDED TO BOM QTY 1. ADDED DRAWING.		2/3/2017	SM	JAG

RBEM632V1005102

2"
RBEM632V1005102
24 $\frac{7}{8}$ " ± $\frac{1}{2}$ "

SEE ATTACHED DEVIATION

	
TITLE	
TRANSMISSION STAND	
DWG NO.	RBEM632V1005102-91
REV	2
MATERIAL BLACK CUT, VINYL	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES	
HEAT	.XXX ± .010 FRACTIONS ± 1/8
TREAT	.XX ± .03 ANGLES ± 1°
FINISH	X ± .1 SURFACES = 125 ✓
SPEC	1. BREAK ALL SHARP EDGES .015 x 45° OR .015R
DRAWN BY:	CLOUGH
CHECKED:	
OPPS APPR:	
QA APPR:	USED ON MODEL
APPROVED:	H175
SCALE	1:4
DATE	1/18/2017
SHEET 31 OF 31	

-91

LABEL

Entered: _____ Date: _____



WORK ORDER NON-CONFORMANCE / ROUTE UPDATE

NCR No.

Route update only

Job: _____ Part No. RBEM632V1005102 REV. 2		DISPOSITION		DEPARTMENT/PROCESS			
		Rework <input type="checkbox"/> Scrap <input type="checkbox"/> Use-as-is <input type="checkbox"/>	Skid-tube <input type="checkbox"/> Machining <input type="checkbox"/> Large Fab <input type="checkbox"/>	Cross tube <input type="checkbox"/> Small Fab <input type="checkbox"/> Finishing <input type="checkbox"/>	Eng. (Non-AW) <input type="checkbox"/> Prod. Eng. Coor. <input type="checkbox"/> Rec/Store/Packaging <input type="checkbox"/>	Engineering <input type="checkbox"/> Water Jet <input type="checkbox"/> Supplier <input type="checkbox"/> Quality <input type="checkbox"/>	
Date : _____	Sequence #: _____	QTY Affected : _____			MRB (QSI042) <i>M. Lee</i> AUGUST 17, 2018		
Description Work Order Deviation		Disposition					
RBEM632V1005102-3 /-5 /-7: - MATERIAL WAS STEEL, IS ASTM A500 REC. TUBING RBEM632V1005102-21: - MATERIAL WAS STEEL, IS ASTM A500 REC. TUBING - WALL THICKNESS WAS .12 IS .19 RBEM632V1005102-25 /-27: - THICKNESS WAS .11 IS 11 GA. (.1196") RBEM632V1005102-23: - THICKNESS WAS .09 IS 13 GA. (.0897") RBEM632V1005102-29 /-37 /-41 /-51: - WAS 4140/4142 IS 4140/4142 (28-32 Rc) RBEM632V1005102-51: - WAS WHITE DELRIN/ACETAL IS WHITE DELRIN/ACETAL ASTM D6100 RBEM632V1005102-89 /-91: - MATERIAL WAS BLACK CUT VINYL IS 3M #180C-12 BLACK ADHESIVE-BACKED VINYL		This deviation is acceptable. The fit, form and function of the part will be as originally intended. PER VM			Completed By		
					Lead hand / Supervisor		
					QC / QA Coordinator		
Root Cause Operator <input type="checkbox"/> Manufacturing Process <input checked="" type="checkbox"/> X Equip/Tooling <input type="checkbox"/> Handling/Preservation <input type="checkbox"/> Material <input type="checkbox"/> X Product Improvement <input type="checkbox"/> Process Improvement <input type="checkbox"/> Human Factors <input type="checkbox"/>		FAULT CATEGORY Pressure/Forced Bending Crushing Cracks Crimp/Kink/Ripple/Wave/Twist Marks/Chatter Mislabeled Other/Details: Contamination Misaligned/off center BOM/Route Broken/Damage/Defect Incomplete/Unclear Instructions Drill Holes Fit/Function Power Loss/Surge Folio/Program Grain Direction Weld Wrong Stock Pulled Out of Sequence Off-set/Set-up Positioned Wrong Outside Tolerance Drawing Finish Part Lost/Missing Misread					